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Ham Radio Catalog

Autumn 2007

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POLICIES

Texas Towers
1108 Summit Avenue, #4
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http://www.texastowers.com
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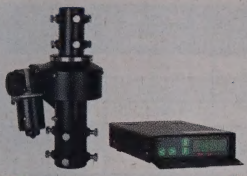
Unfortunately, we are not able to ship merchandise on an approval basis. Please make your selections carefully because we cannot accept items back for a full refund after they have been shipped to you. In the event that we do accept a returned item, it must be returned to us within 30 days of purchase, and there will be a 15% restocking charge to allow resale at a discounted price—as a used product. All returns are at our sole discretion. This rigid policy is necessary in order to assure our customers that they will receive only absolutely, brand new and unopened merchandise.

PLEASE NOTE:
We make an honest effort to represent products as they actually are. Occasionally though, errors do occur, so we reserve the right to change prices and specifications without notice or obligation. Because of printing/postage lead times, prices and manufacturer offers may occasionally change or expire before you receive this catalog. If you should find any errors, please notify us so they may be corrected in our next issue.

ALFA SPID



RAK $979

The Alfa Spid RAK is a heavy duty antenna rotator. It uses a low voltage, high torque motor in a rugged steel housing. Unique, pipe-mounted design allows coax to pass through the inside of the motor (no need for coax loops) and offers a full 720 degrees of rotation! Supplied with a compact digital control box with built-in PC interface and six presets.

rotate torque (12 / 24V)	1,300 / 3,230 in.-lbs.
rotation range	720 degrees
rotation speed (12 / 24 V)	60 / 120 seconds
accuracy	1 degree
brake type	double worm gear
brake torque	14,000 inch-pounds
max. vertical load	550 pounds
max. upper / lower mast size	2.1 / 2.6 inches
cable requirement	4 conductor
input voltage	12–24 VDC
current requirement	6 amps
motor weight	20 pounds

BIG-RAK $1429

The Alfa Spid BIG-RAK is an extra heavy duty antenna rotator, utilizing a low voltage, high torque motor in a rugged steel housing. Unique, pipe-mounted design allows coax to pass through the inside of the motor (no need for coax loops) and offers a full 720 degrees of rotation! Supplied with a compact digital control box with built-in PC interface and six presets.

rotate torque (12 / 24V)	2,800 / 4,095 in.-lbs.
rotation range	720 degrees
rotation speed (12 / 24 V)	60 / 120 seconds
accuracy	1 degree
brake type	double worm gear
brake torque	14,000 inch-pounds
max. vertical load	550 pounds
max. upper / lower mast size	2.6 inches
cable requirement	4 conductor
input voltage	12–24 VDC
current requirement	6 amps
motor weight	20 pounds

TECH Note

Alfa Spid Digital Rotor Controller

The controller supplied with the Alfa Spid RAK and BIG-RAK rotators offers all kinds of versatility! Although compact, it has a large, easy-to-read soft green LED display with six direction presets. It can be powered by any external 12 vDC source, at 5 amps. This makes it ideal for portable or mobile operation.

The controller will operate in manual, automatic, scanning and programmable modes. A built-in RS-232 interface (and supplied serial cable) allows complete computer control!

Now for the cool stuff:

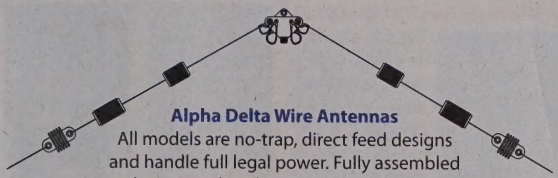
The rotator can be zeroed at any heading for easy installation and calibration. This is possible because the Alfa Spid motors do not need limits switches. This thoughtful design decision also allows for a huge overlap range of 180 degrees in each location! (User-defined limits can be programmed, if desired.)

Yet another unique feature is Alfa Spid's unique optional mouse controller, shown below.

Mouse Controller $39

Features six remote buttons that can be programmed to access any of the control's presets.

ALPHA DELTA



Alpha Delta Wire Antennas

All models are no-trap, direct feed designs and handle full legal power. Fully assembled and pre-tuned, with stainless steel hardware.

DX-A Twin Sloper $99

Twin 1/4-wave inverted-V sloper, covers 160/80/40m. One side is 67 feet long, the other is 55.

DX-B Sloper $109

A 1/4-wave sloper, covering 160/80/40/30m. Length is 60'.

DX-CC Dipole $159

Multiband dipole (or install it as an inverted-V), covering 80/40/20/15/10m. Overall length is 82 feet.

DX-DD Dipole..... $129

Multiband dipole (or install it as an inverted-V), covering 80/40m. Overall length is 82 feet long.

DX-EE Dipole..... $139

Multiband dipole (or install as an inverted-V), covers 40/20/15/10m, only 40 feet. Also covers 30/17/12m with an antenna tuner.

DX-LB Dipole $159

Multiband dipole (or install as inverted-V), covers 160/80/40m, length is 100 feet. Also covers 30/20/17/15/12/10m with tuner.

DX-LB PLUS Dipole $189

Multiband parallel dipole (or install it as an inverted-V), covers 160/80/40/20/15/10m, length is 100 feet. Also covers 30/17/12m when used with an antenna tuner.

Delta 4 ..... $89.95

Delta 2 ..... $59.95

These Alpha Delta antenna switches are extremely high quality, constant-impedance cavity type designs offering outstanding performance. The unused switch position(s) are grounded, while the selected position is protected by a replaceable gas-tube cartridge. The Delta2 has two antenna positions; the Delta4 has four. Both models have UHF female connectors (SO-239) and are rated for operation through 500 MHz.

ATT3G50N (200 W) $59

ATT3G50N/HP (2 kW) $59

ATT3G50U (200 W) $49

ATT3G50U/HP (2 kW) $49

Alpha Delta Transi-Trap surge suppressors protect your equipment from nearby lighting strikes and static discharges using a replaceable gas cartridge, providing effective protection and excellent broadband performance from DC thru 3 GHz. Typical dB loss is .1 @ 1 GHz, .2 @ 2 GHz, .5 @ 3 GHz. Thru-line cavity design allows control voltages to pass thru the device. The ATT3G50N and ATT3G50N /HP have "N" female connectors; the ATT3G50U and ATT3G50U/HP have UHF female connectors. Standard models handle 200 Watts, high power (HP) models handle 2 kW.

ALUMINUM TUBING

6063-T832 Drawn Tubing

We carry a huge stock of literally miles and miles of drawn 6063-T832 aluminum tubing. This tubing is perfect for amateur and commercial antenna construction. It is identical to what the commercial manufacturers are using, with a typical yield strength of 40,000 psi, and a bright mill finish. The chart shows all available telescoping sizes which are specifically designed to fit together snugly and precisely, making antenna construction easy and offering professional results. (This tubing is not suitable for use as a telescoping mast or such, as the fit is too tight to allow complete nesting.)

6061-T6 Extruded Tubing

We have an extensive stock of 6061-T6 extruded tubing, also rated at 40,000 psi yield strength with a standard mill finish. These 2" sizes are excellent for heavy duty booms, VHF stacking frames, and light duty antenna masts.

6061-T6 Extruded Solid Rod

We stock .188" and .250" solid rod, which is perfect for VHF/UHF antenna elements. Additionally, we also carry black U-V resistant plastic element insulators and stainless steel keepers in both .188" and .250" sizes.

6061-T6 Extruded Bar Stock

We also stock 3/8" bar stock in 4", 5" and 6" widths—perfect for constructing element-to-boom and boom-to-mast clamps and miscellaneous brackets.

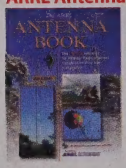
The price chart at right shows all aluminum sizes that we currently stock. All are available in 6' and 12' lengths. The 2" O.D. extruded sizes are also available in 24' lengths. All 12' and 24' lengths are too long to ship UPS, and must ship via motor freight, please call for freight charges. All 6' lengths can be shipped UPS, please call for shipping charges.

O.D.	WALL	I.D.	LBS./FT.	COST/FT.
6063-T832 DRAWN ALUMINUM TUBING				
.375"	.058"	.259"	.044	$1.00
.500"	.058"	.384"	.095	$1.10
.625"	.058"	.509"	.104	$1.20
.750"	.058"	.634"	.127	$1.30
.875"	.058"	.759"	.150	$1.40
1.000"	.058"	.884"	.202	$1.50
1.125"	.058"	1.009"	.229	$1.65
1.250"	.058"	1.134"	.255	$1.85
1.375"	.058"	1.259"	.283	$2.05
1.500"	.058"	1.384"	.309	$2.25
1.625"	.058"	1.509"	.336	$2.55
1.750"	.058"	1.634"	.363	$2.80
1.875"	.058"	1.759"	.384	$3.05
2.000"	.058"	1.884"	.416	$3.30
2.125"	.058"	2.009"	.443	$3.80
6061-T6 EXTRUDED ALUMINUM TUBING				
2.000"	.120"	1.760"	.833	$5.50
2.000"	.250"	1.500"	1.616	$9.00
6061-T6 EXTRUDED ALUMINUM ROD & BAR STOCK				
.188"	.188"	SOLID ROD	.032	$.55
.250"	.250"	SOLID ROD	.058	$.70
4.000"	.375"	BAR STOCK	1.800	$7.50
5.000"	.375"	BAR STOCK	2.210	$8.50
6.000"	.375"	BAR STOCK	2.650	$9.75

ARRL

ANTENNA DESIGN

ARRL Antenna Book.....$44.95



Radio amateurs and pros rely on the Antenna Book for current antenna theory and practical how-to projects. 20th Edition, soft cover, 944 pages, with searchable book on CD-ROM.

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Antenna Compendium, V. 2 ..$14
Antenna Compendium, V. 3 ..$14
Antenna Compendium, V. 5 ..$20
Antenna Compendium, V. 6 ..$23
Antenna Compendium, V. 7 ...$25

Proven, practical antenna designs from the world of amateur radio. The latest volume includes even more articles on low-band antennas and operating and great mobile antenna designs.

HF Antenna Collection.... $34.95

Articles from RSGB's *RadCom* magazine, covering single and multi-element horizontal and vertical antennas, small TX and RX antennas, feeders, tuners, and more. Soft cover, 240 pages.

Practical Wire Antennas $18

Covers practical aspects of HF wire antennas: how the various antenna types work, and how to buy or build one that's right for you. Soft cover, 100 pages, RSGB.

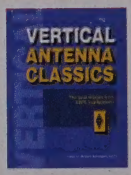
Simple and Fun Antennas for Hams..... $22.95

More than 70 well-tested fun and useful antennas projects. Soft cover, 248 pages.

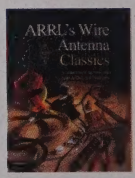
ON4UN's Low-Band DXing ... $39.95

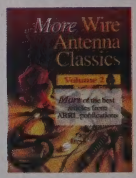
Fourth edition, includes antenna designs, operating guidelines, and an insider's scoop on low-band DXing. There's something in the book for every active low-band operator, contester and DX chaser! Thoroughly updated with entirely new material on low-band antennas and high-gain transmitting arrays. Soft cover, 585 pages, with fully searchable CD-ROM containing additional software and content.

Vertical Antenna Classics $12



Covers vertical antenna theory and modeling, HF, VHF and UHF, directional arrays, radials, and more. Soft cover, 120 pages.

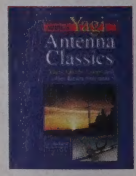




Wire Antenna Classics.....$14.00
More Wire Antenna Classics ... $14.00

Two volumes devoted to wire antennas, from the simple to the complex. Includes articles on dipoles, loops, rhombics, wire beams, and RX antennas. An ideal book for Field Day planners or the next wire antenna project for your station.

Yagi Antenna Classics.....$17.95



A collection of some of the very best articles from QST, QEX, NCJ and other ARRL publications. Provides new ideas and computer-optimized designs for all-around best performance. Read about beams or actually build one of your own! Soft cover, 208 pages.

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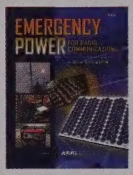
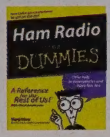
Learn how to configure hardware and software to make the best use of your APRS station. Contains detailed discussions of APRS operation and technical support. Soft cover, 157 pages.

Emergency Power $19.95



Explore the various means of electric power generation. Covers the foundation of any communication installation—the power source. Use this book to help plan ways to stay on the air when weather or other reasons cause short-term or long-term power outages.

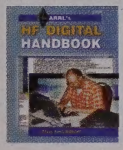
Ham Radio for Dummies ... $21.99



Discover how to understand ham jargon, communicate on the air, prepare for the license exam, set up a radio shack, help with emergency communication during disasters, and more. Soft cover, 380 pages.

Ham Radio FAQ..... $14.95

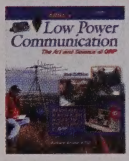
Compilation of questions submitted to ARRL's Technical Information staff about antennas, station setup and operation, mobile and portable operation, and more.



HF Digital Handbook $19.95

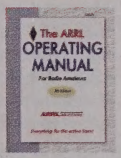
Covers modes like PSK31, RTTY, PACTOR, Q15X25, and much more.

Low Power Communications $19.95



Explore kit building, chase DX, build antennas, brush-up on propagation theory, and take a band-by-band operating tour. Low power, low cost, big fun! Soft cover, 240 pages.

Operating Manual $29.95



Covers rules, FM, EchoLink, IRLP, APRS, meteor scatter, weak signal, DXing, contesting, award hunting, emergency communications, satellites, and more. Soft cover, 352 pages.

Repeater Directory $10.95

Pocket-sized directory of over 20,000 VHF & UHF repeater listings.

Travel Plus for Repeaters CD-ROM $39.95

Integrates maps and repeater data to help you locate repeaters along your travel route. Supports GPS input, exports data for radio programming, and more.

RF Amplifier Classics ... $19.95

Projects and articles with practical designs and construction details for classic tube and solid state amps from 5–1500 Watts. Soft cover, 176 pages.

Vintage Radio $19.95

Compilation of QST articles about vintage equipment, and techniques, personal experiences, restoration and classic QST advertisements.

ARRL

LICENSING MATERIALS

Ham Radio License Manual $24.95

Ham Radio's most popular license manual—all you need to learn to become an Amateur Radio Operator. Organized in easy-to-understand "bite-sized" segments. Designed for self study, as well as classroom use. Soft cover, 283 pages.

General Class License Manual $24.95

This is the book you need to prepare for the Element 3, General class written exam. Your key to worldwide voice, digital and Morse code communications—earn high-power voice and CW privileges on all HF bands! Soft cover, 396 pages.

Extra Class License Manual $24.95

This is the book you need to prepare for the Element 4, Extra class written exam. Your key to full amateur radio privileges! Contains step-by-step examples showing the detailed math for each type of calculation on the exam. Also contains detailed explanations for all questions on the exam. The entire FCC Extra class question pool is included, with answer key. Soft cover, 605 pages.

FCC Rule Book $12.95

Having a current copy of the FCC Rules means you'll be able to follow important, recent changes to the Amateur Radio Service. Includes the entire text of Part 97, with easy to read explanations. 13th Edition, soft cover, 379 pages.

TECHNICAL REFERENCE

2007 ARRL Handbook ... $44.95

Generations of hams have counted on the ARRL Handbook for Radio Communications for its thorough coverage of theory, references and practical projects. 84th Edition, soft cover, 1091 pages, includes fully searchable book on CD-ROM.

Experimental Methods in RF Design $49.95

Covers basic electronics, amplifiers, filters, oscillators, mixers, DSP and more. Includes CD-ROM loaded with design software and supplementary articles. Soft cover, 512 pages.

International Microwave Handbook $39.95

Covers operating techniques, system analysis, propagation, microwave antennas, transmission lines, microwave semiconductors and tubes, construction techniques, test equipment and more.

UHF/Microwave Experimenters Manual $20

Written for the growing number of amateurs who are discovering that there is life on our frequencies above 420 MHz. Information on design and fabrication techniques, propagation, antennas, feed lines, transmission media and more. Soft cover, 448 pages.

AMERITRON

AL-1500.....$2899
AL-1200.....$3049
AL-82 .....$2249

Legal limit amplifiers, covering all HF ham bands (simple modification required for 10/12m). All feature heavy duty Hypersil transformers, dual back-lit meters, adjustable ALC, time delay start, over current shut off, inrush current protection and more.

bands	1.8, 3.5, 7, 10, 14, 18, 21 MHz
efficiency	62–65%
input	240 vAC @ 13 A (AL-1500: 15 A)
size	10" H x 17" W x 18.5" D, 77 lbs.
tube (AL-1500)	single Eimac® 8877
RF output	2500 W PEP, 1500 W CW
tube (AL-1200)	single Eimac® 3CX1200A7
RF out	1800 W PEP, 1500 W CW
tube (AL-82)	two Taylor 3-500Z
RF out	1800 W PEP, 1500 W CW

AL-800 .....$1769
AL-800H $2649

Near linear amplifier covering all HF ham bands (simple modification is required for 10/12m). Designed around the Eimac® 3CX800A7 tube, features dual illuminated cross needle meters, adjustable ALC, heavy duty power supply, over current protection, step starting, inrush current protection, and more.

bands	1.8, 3.5, 7, 10, 14, 18, 21 MHz
efficiency	66%
input	90–140 or 200–250 vAC
current consumption	12 A @ 120 vAC
dimensions	8.5" H x 14.5" W x 17.25" D
weight	51 pounds
tube (AL-800)	single Eimac® 3CX800A7
RF output	1250 Watts, PEP
tube (AL-800H)	2 - Eimac® 3CX1200A7
RF out	1500 Watts+, PEP

AL-572B $1349

The Ameritron AL-572B is a near legal limit linear amplifier covering all the HF ham bands (a simple user mod is required for 10/12m operation). The amplifier is designed around four neutralized 572B tubes, and features dynamic ALC™ (which doubles average SSB output), Step-Start Inrush Protection™, dual illuminated meters, heavy duty multiple voltage power supply, a whisper quite internal cooling fan, and more.

bands	1.8, 3.5, 7, 10, 14, 18, 21 MHz
RF output	1300 Watts PEP, 1000 W CW
efficiency	65%
input	90–140 or 200–250 vAC
current consumption	16 A @ 120 vAC
dimensions	8.5" H x 15.5" W x 14.25" D
weight	40 pounds

AL-80B $1299

The Ameritron AL-80B is a 1000 Watt linear amplifier covering all HF ham bands (a simple user modification allows 10/12m operation). It's designed around a single Taylor 3-500Z tube, and features a heavy duty power supply, dual illuminated cross needle meters, adjustable ALC, inrush current protection, dynamic ALC (increases average SSB power), multi-voltage transformer offering 14 primary voltages, and more.

bands	1.8, 3.5, 7, 10, 14, 18, 21 MHz
RF output	1000 Watts PEP, 800 W CW
efficiency	66%
input	90–140 or 200–250 vAC
current consumption	12 A @ 120 vAC
dimensions	8.5" H x 14" W x 15.25" D
weight	48 pounds

AMERITRON

AL-811 .....$659
AL-811H $789

The AL-811 is a 600 watt amplifier covering all HF ham bands (a simple user modification is required for 10/12 operation). Built around the popular and inexpensive 811A tubes, it features adjustable ALC, dual illuminated meters, multiple line voltage transformer, and more.

AL-811

bands	1.8, 3.5, 7, 10, 14, 18, 21 MHz
tubes	3 - 811A
RF output	600 W PEP, 500 W CW
input voltage	120 vAC, 8 amps
size	8.3" H x 13.8" W x 15.5" D, 31 lbs.

AL-811H

bands	1.8, 3.5, 7, 10, 14, 18, 21 MHz
tubes	4 - 811A
RF output	800 watts PEP, 600 watts CW
input voltage	120 vAC @ 10 amps
size	8.3" H x 13.8" W x 15.5" D, 31 lbs.

ALS-600 .....$1119
ALS-600S $1219

Solid state, no tune HF amplifiers cover 1.5–22 MHz continuously (optional 10/12m mod). ALS-600 supplied with a linear power supply. ALS-600S supplied with light weight switching power supply.

ALS-500M $759

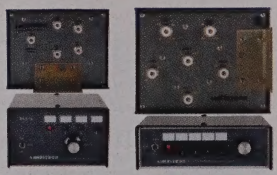
Mobile version of the ALS-600, supplied without power supply.

ALS-600

RF output	700 W PEP / 500 W CW
input voltage	120 vAC
current consumption	10 amps
size	6" H x 9.5" W x 12" D, 55 (S: 35) lbs.

ALS-500M

RF output	600 W PEP / 400 W CW
input voltage	13.8 vDC
current consumption	84 amps
size	3.5" H x 9" W x 15" D, 7 lbs.



RCS-4 .....$139
RCS-8V $149
RCS-10 .....$159

Remote coax switches. All include tower mounted switch box, indoor controller, AC adapter, and accept PL-259 connectors. Insertion loss is less than .1 dB.

RCS-4 specifications (4 position):

frequency range	1.5–60 MHz
internal VSWR	< 1.25:1
power handling	2500 W average continuous
required control cable	none (uses coax)

RCS-8V specifications (5 position):

frequency range	5–450 MHz
internal VSWR	< 1.2:1 to 250 MHz
power	5 kW @ 30 MHz, 1 kW @ 150 MHz
required control cable	6 conductor

RCS-10 specifications (8 position):

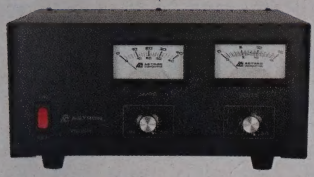
frequency range	DC–100 MHz
internal VSWR	< 1.25:1 @ 30 MHz
power	5 kW @ 30 MHz
required control cable	4 conductor

ATR-30 .....$519

The Ameritron ATR-30 is a 3000 Watt antenna tuner. It easily handles full legal power on all modes and HF ham bands from 160–10m. The tuner features a six position antenna switch (three coax lines, a balanced line, a random line, and bypass or external dummy load position), a two core Teflon wound current balun, heavy duty silver plated band switch, dual 4.5 kV variable capacitors, and more. Also features illuminated, peak reading SWR and wattmeter.

band coverage	1.8–30 MHz
connectors	SO-239s (accepts PL-259s)
power rating	3000 Watts
dimensions	13.25" W x 5.25" H x 13.5" D
weight	19 pounds

ASTRON



ASTRON LINEAR DC POWER SUPPLIES

Do you need to power a mobile VHF/UHF rig, or even an HF rig in your shack? If so, Astron offers a wide range of linear power supplies to run a wide range of equipment. All models provide regulated 13.8 vDC output, and feature 105–125 vAC input, less than 5 mv peak-peak ripple (full load and low line), crowbar over voltage protection, and fold-back current limiting (short circuit protection). All have a heavy duty heat-sink, are internally adjustable from 11–15 vDC, and have separate amp and volt meters. These power supplies are very dark grey in color and are covered by Astron's one year, parts and labor warranty. The chart below shows available models and rated output. Models with the "VS" prefix feature variable current and voltage controls directly on the front panel.

ASTRON SWITCHING DC POWER SUPPLIES

All Astron switching DC power supplies are compact and lightweight, offering high efficiency switching technology specifically filtered for use with communications equipment for all frequencies, including HF. All models feature heavy duty construction, EMF filtering, FCC class B classification, over voltage protection, thermal shutdown protection, and current limiting protection. The power supplies are black in color and offer back panel switchable input voltage from 90–132 or 180–264 vAC at 50 or 60 Hz. Output voltage is 13.8 vDC ± 2%, with 300 mV regulation and <20 mV RMS ripple. All models have an operating temperature range of -20°C – +60°C, and are at least 80% efficient. The chart below shows all available models, the "M" models offer separate amp and volt meters.

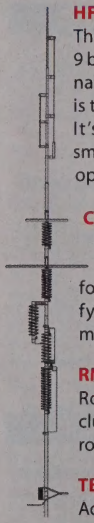
ASTRON LINEAR DC POWER SUPPLIES

ASTRON MODEL	CURRENT ICS	CURRENT CONT.	SIZE (H x W x D)	WEIGHT (LBS.)	DISCOUNT PRICE
RS-35M	35 A	25 A	5" x 11" x 11"	27	$169
VS-35M	35 A	25 A	5" x 11" x 11"	29	$179
RS-50M	50 A	37 A	6" x 14" x 11"	46	$239
VS-50M	50 A	37 A	6" x 14" x 11"	46	$249
RS-70M	70 A	57 A	6" x 14" x 13"	48	$279

ASTRON SWITCHING DC POWER SUPPLIES

ASTRON MODEL	CURRENT ICS	CURRENT CONT.	SIZE (H x W X D)	WEIGHT (LBS.)	DISCOUNT PRICE
SS-12	12 A	10 A	1.4" x 6" x 9"	4	$79.00
SS-25	25 A	20 A	2.9" x 7" x 9.4"	5	$109.00
SS-25M	25 A	20 A	2.9" x 7" x 9.4"	5	$129.00
SS-30	30 A	25 A	3.8" x 7" x 9.6"	6	$119.00
SS-30M	30 A	25 A	3.8" x 7" x 9.6"	6	$139.00

BUTTERNUT



HF-9VX.....$439

The Butternut HF-9VX is a 9 band HF vertical antenna. It uses no traps and is totally self supporting. It's a great choice for small city lots or portable operation.

CPK.....$169

Counterpoise kit, eliminates the need for radial wires, simplifying roof or ground mounting.

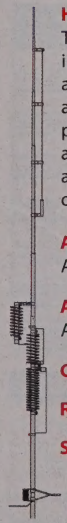
RMKII.....$189

Roof mounting kit, includes tripod and tuned roof radial wires.

TBR-160S.....$159

Add-on kit for 160m.

band coverage.....80, 40, 30, 20, 17, 15, 12, 10, 6m
optional bands.....160m
power rating.....1500 watts
recommended mast diameter.....1.25"
vertical height.....26 ft.
wind load.....2 sq. ft.
weight.....13 pounds



HF-6VX.....$379

The Butternut HF-6VX is a six band HF vertical antenna. It uses no traps and is totally self supporting. It's an excellent antenna for small city lots, as well as for portable operation.

A17-12.....$64

Add-on kit for 17/12m.

A6.....$20

Add-on kit for 6m.

CPK.....$169

RMKII.....$189

STRII.....$145

Tuned roof radial kit.

TBR-160S.....$159

band coverage.....80, 40, 30, 20, 15, 10m
optional bands.....12, 17, 160m
power rating.....1500 watts
recommended mast diameter.....1.25"
vertical height.....26 ft.
wind load.....1.6 sq. ft.
weight.....12 pounds

HF-2V.....$279

The Butternut HF-2V is a dual band vertical antenna, covering the 40 and 80m bands. Many successful contest stations use two or four HF-2Vs phased, with excellent results. The antenna requires no band switching, uses no traps, and is self supporting. An optional 30m kit (30MRK) and 160m kit (TBR-160S) are available, which makes the antenna even more versatile.

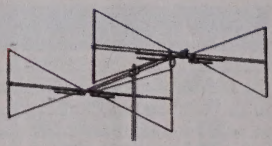
TBR-160S.....$159

Add-on kit for 160m.

30MRK.....$129

Add-on kit for 30m.

band coverage.....80, 40m
optional bands.....160, 30m
power rating.....1500 watts
recommended mast diameter.....1.25"
vertical height.....32 feet
wind load.....1.2 square feet
weight.....12 pounds



HF-5B.....$449

The Butternut HF-5B "Butterfly" is a five band HF mini-beam. This lightweight antenna is small enough to turn with a TV rotator, so it's convenient and easy to install, and its small footprint makes it a neighbor friendly choice as well. The antenna works great for limited space applications, with a turning radius of less than 7 feet. Bandwidth at 2:1 SWR is 200 kHz on 20/17m, and the entire bands are covered on 15–10m.

band coverage.....20, 17, 15, 12, 10m
power rating.....1200 watts
gain.....5 dB (3 dB on 20m)
boom length.....6.9 feet
elements / longest.....2 / 12.5 feet
maximum mast diameter.....1.5"
wind load.....2.9 square feet
weight.....17 pounds

COMET

GP-98.....$169
The Comet GP-98 is a 2m/70cm/23cm triband vertical base antenna. It is constructed of a two section heavy duty fiberglass radome with nonconducting ABS section connectors, which eliminate corrosion and help reduce stray RF, ensuring a very clean radiation pattern. The antenna is shipped pre-tuned, so installation is simple and quick.

GP-9.....$199
GP-9N.....$199
The Comet GP-9 is a 2m/70cm dual band vertical base antenna. It is constructed of a three section heavy duty fiberglass radome with nonconducting ABS section connections, which eliminate corrosion and help reduce stray RF, ensuring a clean radiation pattern. The antenna is shipped pre-tuned, so installation is quick and easy.

GP-6.....$159
The Comet GP-6 is a 2m/70cm dual band vertical base antenna. It is constructed of a two section heavy duty fiberglass radome with nonconducting ABS section connections which eliminate corrosion and help reduce stray RF, ensuring a very clean radiation pattern. The antenna is shipped pre-tuned, so installation is quick and easy.

GP-3 ..... $99
The Comet GP-3 is a 2m/70cm dual band vertical base antenna. It is constructed of a single section heavy duty fiberglass radome. No section joints means there's no possibility for corrosion or stray RF, ensuring a very clean radiation pattern. Like all Comet antennas, the antenna is shipped pre-tuned, so assembly and installation is quick and easy.

COMET SINGLE BAND AND MULTIBAND BASE ANTENNAS

MODEL	BANDS	GAIN (DBI)	HEIGHT	CONNECTOR	POWER	SURVIVAL	WEIGHT	PRICE
CHA-250B	3.5–57 MHz	—	23'5"	SO-239	250 W SSB / 150 W FM	67 MPH	7 lbs.	$449
CX-333	2m/220/70cm	6.5/7.8/9	10'4"	SO-239	120 W	110 MPH	3.5 lbs.	$189
DS-150S	25–1300 MHz	—	4'8"	SO-239	100 W	92 MPH	3 lbs.	$89
GP-15	6m/2m/70cm	3/6.2/8.6	7'11"	SO-239	150 W	119 MPH	3 lbs.	$159
GP-21	23cm	14.9	8'	N-female	100 W	119 MPH	2.5 lbs	$149
GP-3	2m/70cm	4.5/7.3	5'11"	SO-239	200 W	125 MPH	3 lbs.	$99
GP-6	2m/70cm	6.5/9	10'2"	SO-239	200 W	110 MPH	3.5 lbs.	$159
GP-9(N)	2m/70cm	8.5/11.9	17'8"	SO- 239 ("N")	200 W	92 MPH	6 lbs.	$199
GP-98	2m/70cm/23cm	6.5/9/13.5	9'8"	SO-239	1500 W (23cm: 1200 W)	110 MPH	6.5 lbs.	$169

COMET

COMET MULTIBAND MOBILE ANTENNAS

MODEL	BANDS	GAIN (DBI)	LENGTH	FINISH	BASE	FOLD OVER	PRICE
B-10	2m/70cm	0/2.15	12"	Black	PL-259	No	$42.95
B-10NMO	2m/70cm	0/2.15	12"	Black	NMO	No	$42.95
SB-14	6m/ 2m/70cm	0/3.5/6	61"	Chrome	SO-239	Yes	$65.95
SBB-1	2m/70cm	1.5/2.15	16"	Black	SO-239	No	$42.95
SBB-2	2m/70cm	2.15/3.8	18"	Black	PL-259	No	$42.95
SBB-2NMO	2m/70cm	2.15/3.8	18"	Black	NMO	No	$42.95
SBB-224	2m/220 MHz/70cm	2.15/3.5/6	36"	Black	PL-259	Yes	$75.95
SBB-224NMO	2m/220 MHz/70cm	2.15/3.5/6	36"	Black	NMO	Yes	$75.95
SBB-5	2m/70cm	3/5.5	38"	Black	PL-259	Yes	$58.95
SBB-5NMO	2m/70cm	3/5.5	38"	Black	NMO	Yes	$58.95
SBB-7	2m/70cm	4.5/7.2	55"	Black	PL-259	Yes	$79.95
SBB7-NMO	2m/70cm	4.5/7.2	55"	Black	NMO	Yes	$79.95
UHV-4	10m/6m/2m/70cm	0/0/2.15/5.5	54"	Chrome	SO-239	Yes	$119.95
UHV-6	6m/2m/70cm	0/2.15/5.5	76"	Chrome	SO-239	Yes	$169.95

COMET COAX MOUNTS

3D4M, Coax Assembly $27
Gold plated UHF connectors with 13.5' of low loss coax.

CK-3M, Coax Assembly ...$36
Has 9' of low loss coax with a 12" leader of tiny RG-188.

CK-3M5, Coax Assembly $43
Same as CK-3M, except 17'.

COMET TRUNK BRACKETS

RS-9, Trunk Mount $29
Small, limited adjustment.

RS-720, Trunk Mount $30
Heavy duty, low profile, yet fully adjustable.

RS-730, Trunk Mount $33
Heavy Duty, fully adjustable, with ratchet lock.

COMET MOBILE MOUNTS

CM-5M, 4.5" Mag $24.95
Mag mount with 16' of RG-58.

CP-5M, Trunk Mount ..$69.95
Heavy Duty, fully adjustable. With 16' of RG-58.

GRB-5M, Trunk Mount ... $68.95
Heavy duty, low profile, fully adjustable. With 16' of RG-58.

COMET DUPLEXERS

2m / 70cm, (800/500 W)
CF-416A U–U/U, with leads $54.95
CF-416C N–U/N, with leads $54.95
CF-4160I U–U/N, w/o leads $48.95
CF-4160J U–U/U, w/o leads $53.95
CF-4160K U–U/U, w/o leads $48.95

1.3–250 / 400–1400 MHz, (400/200 W)
CF-416W N–N/N, with leads $69.95

1.3–30 / 50–470 MHz, (600 W)
CF-360B U–U/U, with leads $69.95

1.3–90 / 125–470 MHz, (600 W)
CF-530A U–U/U, with leads $74.95
CF-530C U–U/U, w/ mix lead.....$69.95

1.3–57 / 75–550 MHz, (350/350 W)
CF-706A U–U/U, with leads $74.95

COMET TRIPLEXERS

2m/70cm/900–1200MHz,(800/500/200W)
CFX-4310C N–U/U/N, w/o leads $79.95

2m / 220 MHz / 70cm, (600 W)
CFX-324A U–U/U/U, with leads....$88.95
CFX-324B U–U/U/U, w/o leads.....$85.95

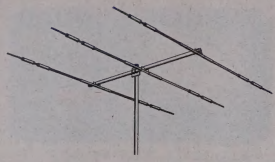
HF–6m / 2m / 70cm, (800/800/500 W)
CFX-514 U–U/U/U, with leads....$79.95
CFX-514J U-F x 3, w/o leads.....$74.95

CUSHCRAFT

X7 ..... $839
X740 ..... $339

The Cushcraft X7 is a triband HF Yagi antenna. It uses a high efficiency, computer optimized design for excellent gain and clean radiation pattern. Cushcraft's new trapless Tri-Feed driven elements offer improved VSWR bandwidth. The X7's interleaved design offers near monoband performance with 3 active elements per band. The X740 kit adds 40m coverage.

elements	7
band coverage	10, 15, 20m
maximum gain / F-B ratio	13 dBi / 30 dB
2:1 bandwidth (10/15/20m)..	1700/750/600 kHz
power handling	2 kW PEP
boom length / turning radius	18' / 20'
max. mast size	2.5"
wind surface area	7.9 sq. ft.
weight	60 pounds



A3S $549

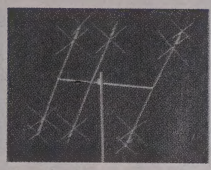
The Cushcraft A3S is a compact three element beam antenna for 10, 15 and 20m operation.

elements	3
band coverage	10, 15, 20m
gain / F-B ratio	8 dBd / 25 dB
2:1 bandwidth	> 500 kHz
power handling	1500 W PEP
boom length / turning radius	14' / 15'6"
mast size range	1.25–2"
surface area / weight	4.4 sq. ft. / 27 pounds

A4S $689

The Cushcraft A4S is a compact four element beam antenna for 10, 15 and 20m operation.

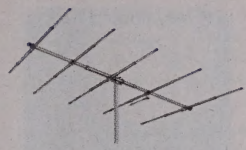
elements	4
band coverage	10, 15, 20m
gain / F-B ratio	8.9 dBd / 25 dB
2:1 bandwidth	> 500 kHz
power handling	1500 W PEP
boom length / turning radius	18' / 18'5"
mast size range	1.25–2"
surface area / weight	5.5 sq. ft. / 37 pounds



MA5B $439

The Cushcraft MA5B is a compact, three element beam antenna for 10/12/15/17/20m operation that is small enough to mount on a roof tripod and turn with a TV rotor. Though light, the antenna uses thick wall tubing, so it's rugged, and is supplied with stainless steel hardware for long, trouble free life. It is easy to tune, offers low VSWR across all five bands, and uses a single coax feed point.

elements	3
band coverage	10, 12, 15, 17, 20m
maximum gain	5.3, 2, 4.8, 2, 3.6 dBi
F-B ratio	10, 0, 12, 0, 22 dB
2:1 bandwidth	665, >110, 255, >100, 90 kHz
power handling	1200 W PEP
boom length / turning radius	7'4" / 8'10"
wind surface area	3.2 sq. ft.
weight	26.5 pounds

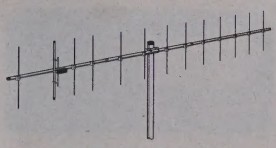


A50-6S $339
A50-5S $199
A50-3S $125

The Cushcraft A50 series 6m Yagis have been computer optimized and range tested for performance, and feature all stainless hardware. All have a 2:1 VSWR bandwidth of >1 MHz, 1.2:1 typical VSWR, handle 1000 W PEP, and accept 1.5–2 inch masts. All have 50 Ohm feeds, and accept a PL-259 connector.

A50-6S / (A50-5S) / [A50-3S]	
elements	6 / (5) / [3]
forward gain	11.6 / (10.5) / [8] dBd
F-B ratio	26 / (24) / [20] dB
3-dB E-plane beamwidth	48° / (56°) / [76°]
boom length	20' / (12') / [6']
turning radius	11'6" / (7'9") / [6']
wind surface area	4.5 / (2.9) / [1.8] sq. ft.
weight	18 / (11) / [7] pounds

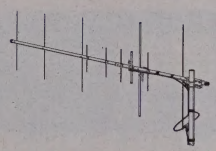
CUSHCRAFT



13B2 ..... $199

The Cushcraft 13B2 is a wideband beam antenna for 2m operation. The rugged design, requiring no boom supports, allows easy mounting for either horizontal or vertical polarization. Its wide bandwidth offers efficient operation throughout the entire 2m band. The antenna is great for CW, FM, Packet, and sideband operation. Cushcraft's UltraMatch balanced feed provides a 50 Ohm match and accepts a PL-259 connector.

elements	13
frequency coverage	144–148 MHz
gain / F-B ratio	15.8 dBd / 26 dB
power / typical VSWR	2000 W PEP / < 1.2:1
boom length / turning radius	15' / 8'11"
mast size range	15' / 1.5–2"
wind surface area / weight	1.8 sq. ft. / 7 lbs.



A270-10S $119

The Cushcraft A270-10S is an end mounted 2m/70cm dual band beam antenna.

elements	10 (5 per band)
frequency coverage	144–148, 430–450 MHz
gain / F-B ratio	10 dBd / 20 dB
power / typical VSWR	350 W PEP / < 1.2:1
boom length / turning radius	6'2" / 6'
accepted mast size range	1.25–2"
wind surface area / weight	8 sq. ft. / 2 lbs.

A270-6S $89

The Cushcraft A270-6S is a compact, end mounted, dual band beam antenna for 2m/70cm operation.

elements	6 (3 per band)
frequency coverage	144–148, 430–450 MHz
gain / F-B ratio	7.8 dBd / 20 dB
power / typical VSWR	350 W PEP / < 1.2:1
boom length / turning radius	2'10" / 2'10"
mast size	1.25–2 inches
wind surface area / weight	3 sq. ft. / 2 lbs.

R6000 ..... $369

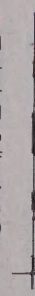
The R6000 is a multiband vertical antenna for 20m–6m operation. It has a built-in matching network and counterpoise system, so no additional ground or roof radial wires are needed. Bandwidth is 1300 kHz on 6m, 1700 kHz on 10m, 100 kHz on 12m, 450 kHz on 15m, 100 kHz on 17m, and 300 kHz on 20m. Light weight, quick and easy to assemble and tune.

band coverage	6, 10, 12, 15, 17, 20m
height / mast range	19' / 1.5–1.75"
gain / power rating	3 dBi / 1500 W PEP
radials / radial length	7 / 49"
wind surface area / weight	1.5 sq. ft. / 13 lbs.

R8 ..... $549

The R8 is a multiband vertical antenna for 40m–6m operation, with built-in counterpoise.

band coverage	6, 10, 12, 15, 17, 20, 30, 40m
height / mast range	28'6 / 1.25–2"
gain / power rating	3 dBi / 1500 W PEP
radials / radial length	7 / 49"
wind surface area / weight	2.5 sq. ft. / 23 lbs.



AR-270B $119

The AR-270B is a computer optimized 2m/70cm vertical base antenna. It's broadbanded, providing minimum SWR on both bands. The antenna is rugged, uses sealed coils for durability, and is easy to assemble. It has a 50 Ohm feed and accepts a PL-259 connector.

frequency range	144–148 & 430–450 MHz
gain	5.5 dBi / 7.5 dBi
power / typical VSWR	250 watts / < 1.2:1
vertical height / radial length	7'8" / 20"
mast size range	1.25–2"
wind surface area / weight	.5 sq. ft. / 2 lbs.

AR-270 ..... $109

The AR-270 is a compact 2m/70cm vertical antenna with all stainless steel hardware and sealed coil and match.

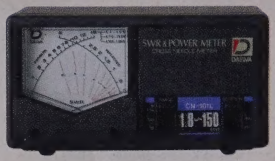
frequency range	144–148, 435–450 MHz
gain	3.7 / 5.5 dBi
power / typical VSWR	250 W FM / < 1.2:1
height / radial length	3'9" / 7"
mast size range	1.25–2"
wind surface area / weight	.3 sq. ft. / 2 lbs.

DAIWA

CN-801HP.....$149

The Daiwa CN-801HP is a cross-needle SWR/Wattmeter covering 1.8–200 MHz. The cross-needle movement allows simultaneous monitoring of forward power, reflected power, and SWR—without calibrating. The meter is switchable for 20, 200, or 2000 Watt full scale readings, and has a built-in lamp which can be powered from an external 13.8 vDC source (a DC cord is supplied).

frequency range	1.8–200 MHz
power ranges (forward)	20/200/2000 W
power handling	2000 W
accuracy	±10%, full scale
SWR detection sensitivity	5 W
connectors	SO-239
dimensions	4.3" H x 6.3" W x 4.8" D
weight	2.2 pounds



CN-101L.....$99

The Daiwa CN-101L is a cross-needle SWR/Wattmeter covering 1.8–150 MHz. The cross-needle movement allows simultaneous monitoring of forward power, reflected power, and SWR—without calibrating. The meter is switchable for 15, 150 or 1500 Watt full scale readings, and has a built-in lamp which can be powered from an external 13.8 vDC source (a DC cord is supplied).

frequency range	1.8–150 MHz
power ranges (forward)	15/150/1500 W
power handling	1.8–60 MHz: 1500 W 60–150 MHz: 1000 W
accuracy	±10%, full scale
SWR sensitivity / connectors	4 W / SO-239
dimensions	3" H x 5" W x 4" D
weight	1.5 pounds

CN-103L $99
CN-103N..... $119

The Daiwa CN-103L is a cross-needle SWR/Wattmeter covering 140–525 MHz. The cross-needle movement allows simultaneous monitoring of forward power, reflected power, and SWR—without calibrating. A built-in lamp can be powered from an external 13.8 vDC source (DC cord supplied.) The CN-103N is identical, but with "N" type connectors.

frequency range	140–525 MHz
power ranges (forward)	20/200 W
power handling	200 W
accuracy	±10%, full scale
SWR sensitivity	4 W
connectors (CN-103N)	SO-239 ("N" female)
dimensions	3" H x 5" W x 4" D
weight	1.5 pounds

CS-201A $26

The Daiwa CS-201A is a high performance, heavy duty two position coax switch, good for use through 600 MHz. It is a cavity type switch, with very low insertion loss and VSWR and very good isolation. The switch handles up to 1500 Watts and is designed so that the unused switch position is grounded. Supplied with hardware for mounting on any solid surface.

frequency range	DC–600 MHz
power rating (DC–30 MHz)	1500 W
power rating (30–150 MHz)	1000 W
power rating (150–600 MHz)	500 W
VSWR	<.12 dB
insertion loss	<.2 dB
isolation	60 dB
connectors	SO-239
dimensions	2.2" H x 2.8" W x 1" D
weight	1 pound

DIAMOND

SX-1000 .....$249.95

The Diamond SX-1000 is a dual sensor SWR/Wattmeter covering HF, 6m, 2m, 70cm and 1.2 GHz. The dual sensor design allows simultaneous connection of two radios (must be within the sensor's frequency range). The meter is switchable between 5, 20 and 200 Watt full scale, indicates peak or average power, and will read forward or reflected power, or VSWR. The meter is supplied with a DC cord to power the back light lamps.

frequency range	1.8–160 MHz (sensor #1) 430–1300 MHz(sensor #2)
accuracy	±10%
ranges	5, 20, 200 W
minimum SWR sensitivity	1 W (#1), 2 W (#2)
connectors	SO-239 (#1), "N" female (#2)
insertion loss	.2 dB (#1), .15 dB (#2)
size / weight	2.7" H x 6.1" W x 5.3" D / 2 lbs.

SX-600 .....$189.95

The Diamond SX-600 is a dual sensor SWR/Wattmeter covering 1.8–160 MHz. The dual sensor design allows simultaneous connection of two radios (must be within the sensor's frequency range). The meter is switchable between 5, 20 and 200 Watts full scale, indicates peak or average power, and will read forward or reflected power, or VSWR. The meter is supplied with a DC cord to power the back light lamps.

frequency range	1.8–160 MHz (sensor #1) 140–525 MHz(sensor #2)
accuracy	±10%
ranges	5/20/200 W
minimum SWR sensitivity	1 W (#1), 4 W (#2)
connectors	SO-239 (accepts PL-259s)
insertion loss	.3 dB
size / weight	2.7" H x 6.1" W x 5.3" D / 2 lbs.

SX-400 ..... $119.95

The Diamond SX-400 is a backlit SWR/Wattmeter covering 140–525 MHz. The meter is switchable between 5, 20 and 200 Watts full scale. It is switchable between peak and average power, will read forward or reflected power or VSWR, and is accurate to ±20%. Compact enough to be used both as a station meter and for mobile use. The meter is supplied with a DC cord to provide power to the back light lamps.

frequency range	140–525 MHz
accuracy	±20%
ranges	5/20/200 W
minimum SWR sensitivity	1 W (#1), 4 W (#2)
connectors	SO-239 (accepts PL-259s)
insertion loss	.3 dB
size	2.4" H x 6.1" W x 4.1" D
weight	2 pounds

SX-200 .....$99.95

The Diamond SX-200 is a backlit SWR/Wattmeter covering 1.8–200 MHz. The meter is switchable between 5, 20 and 200 Watts full scale. It is switchable between peak and average power, will read forward or reflected power or VSWR, and is accurate to ±7.5%. Compact enough to be used both as a station meter and for mobile use. The meter is supplied with a DC cord to provide power to the back light lamps.

frequency range	1.8–200 MHz
accuracy	±5–7.5%
ranges	5/20/200 W
minimum SWR sensitivity	4 watt
connectors	SO-239 (accepts PL-259s)
insertion loss	.5 dB
size	2.4" H x 6.1" W x 4.1" D
weight	2 pounds

DIAMOND

X-510MA $195.95
X-510NA $195.95
The Diamond X-510 is a 2m/70cm dual band vertical base antenna. It is constructed of a three section heavy duty fiberglass radome with strong, waterproof section joints and stainless steel hardware. Like all Diamond antennas, it is shipped pre-tuned, so assembly and installation is quick and easy.

X-200A.....$149.95
The Diamond X-200A is a 2m/70cm dual band vertical base antenna. It is constructed of a two section heavy duty fiberglass radome with strong, waterproof section joints and stainless steel hardware for long, trouble free service life. Like all Diamond antennas, it is shipped pre-tuned, so assembly and installation is quick and very easy.

X-50A/X-50NA ..$109.95
The Diamond X-50A is a 2m/70cm dual band vertical base antenna. It is constructed of a single section heavy duty fiberglass radome. No section joints means there's no possibility for corrosion or stray RF, ensuring a clean pattern. Like all Diamond antennas, it is shipped pre-tuned, so assembly and installation is quick and very easy.

V-2000A..... $172.95
The Diamond V-2000A is a 6m/2m/70cm triband vertical base antenna. It is constructed of a two section heavy duty fiberglass radome with strong, waterproof section joints and stainless steel hardware for long, trouble free service life. Like all Diamond antennas, it is shipped pre-tuned, so assembly and installation is quick and very easy.

DIAMOND SINGLE BAND AND MULTIBAND BASE ANTENNAS

MODEL	BANDS	GAIN (DBI)	HEIGHT	CONNECTOR	POWER	SURVIVAL	WEIGHT	PRICE
D-130J	25–1300 MHz	2	5'7"	"N" F	200 W (6m: 50 W)	—	2.2 lbs.	$99.95
DP-GH62	6m	6	21'	SO-239	200 W	78 MPH	6 lbs.	$147.95
F-23A	2m	7.8	15'	SO-239	200 W	90 MPH	8 lbs.	$129.95
V-2000A	6m/2m/70cm	2.1/6.2/8.4	8'3"	SO-239	150 W	110 MPH	4 lbs.	$172.95
X-200A	2m/70cm	6/8	8'4"	SO-239	200 W	112 MPH	4 lbs.	$149.95
X-50A	2m/70cm	4.5/7.2	5'7"	SO-239	200 W	135 MPH	3 lbs.	$109.95
X-500HNA	2m/70cm	8.3/11.7	17'9"	"N" F	200 W	90 MPH	7 lbs.	$259.95
X-510MA	2m/70cm	8.3/11.7	17'3"	SO-239	200 W	90 MPH	5 lbs.	$195.95
X-510NA	2m/70cm	8.3/11.7	17'3"	"N" F	200 W	90 MPH	5 lbs.	$195.95

DIAMOND

SG-7900A.....$124.95
The Diamond SG-7900A is a high performance 2m/70cm dual band mobile antenna. It features a fold over base, and has a beautiful satin gray finish. It's shipped factory pre-tuned so installation is quick and easy. Not recommended for magnet mount installations.

SG-7500 .....$79.95
SG-7500NMO $79.95
The Diamond SG-7500 is a shorter version of the SG-7900A. It also has a fold over base, and has the same hi-tech satin gray finish. The SG-7500 requires an SO-239 type mount, the SG-7500NMO uses an NMO type.

NR-770HA $56.95
NR-770HB $59.95
The Diamond NR-770HA is a medium sized 2m/70cm mobile antenna, with a fold over base. Requires an SO-239 type mount. The antenna has a nice heavy chrome finish. The NR-770-HB is identical, but with a black finish.

SG-2000HD.....$89.95
The Diamond SG-2000HD is a high performance 2m mobile antenna. Electrically, it's made up of two 1/4 wave and one 3/8 wave elements. It provides 5.2 dBi of gain, and will handle 250 Watts. The antenna is 62" long, so it is not recommended for installation on a magnet mount. The Diamond K400 and K600 trunk mounts are both recommended. Equipped with a fold over type base, so it can be quickly hinged over for access to tight parking garages. Like all Diamond antennas, it comes pre-tuned, so installation is quick and easy.

DIAMOND MULTIBAND MOBILE ANTENNAS

MODEL	BANDS	GAIN (DBI)	LENGTH	FINISH	BASE	FOLD OVER	PRICE
CR-627B	6m/2m/70cm	2.1/4.5/7.2	60"	Black	SO-239	Yes	$109.95
CR-627BNMO	6m/2m/70cm	2.1/4.5/7.2	60"	Black	NMO	Yes	$109.95
HV-7A	10m/6m/2m/70cm	2.1/2.1/2.1/5.5	54"	Chrome	SO-239	Yes	$119.95
NR-2000NA	2m/70cm/23cm	3.1/6.3/9.7	39"	Chrome	"N"	Yes	$89.95
NR-72BNMO	2m/70cm	2.1/2.1	14"	Black	NMO	No	$41.95
NR-73BNMO	2m/70cm	2.1/5.3	34"	Black	NMO	No	$57.95
NR-770HA	2m/70cm	3/5.5	40"	Chrome	SO-239	Yes	$56.95
NR-770HB	2m/70cm	3/5.5	40"	Black	SO-239	Yes	$59.95
NR-770HNMO	2m/70cm	3/5.5	38"	Chrome	NMO	Yes	$59.95
NR-770HBNMO	2m/70cm	3/5.5	38"	Black	NMO	Yes	$59.95
SG-7000A	2m/70cm	2.1/3.8	19"	Satin	SO-239	No	$69.95
SG-7500	2m/70cm	3.5/6	41"	Satin	SO-239	Yes	$79.95
SG-7500NMO	2m/70cm	3.5/6	41"	Satin	NMO	Yes	$79.95
SG-7900A	2m/70cm	5/7.6	62"	Satin	SO-239	Yes	$124.95

frequency coverage.....144–148 MHz
base type.....SO-239
gain.....5.2 dBi
length.....62"
power handling.....250 W

FORCE 12

C-3 .....$809

The Force 12 C-3 is a seven element 10, 15 and 20m tribander on an 18' boom with a single 50 Ohm coaxial feed. All that is needed is a 1:1 balun or an RF choke and it's on the air. Three monoband Yagis for 20, 15, and 10 meters are the core of the antenna. The driver cell is a Force 12 multiband open sleeve, with the coax attached directly to the 20m element. The 15m and 10m drivers are parasitically excited. All 7 elements work together for great performance. The antenna also has gain on 17 and 12m, without specific elements on those bands—a tuner is required, as the antenna is not matched to 50 Ohms on those bands.

C-3XL $1449

The Force 12 C-3XL is three monoband antennas horizontally stacked on a single 33 foot boom. The 20 meter antenna is placed at the rear of the boom, with the three element 15 meter antenna in the center, and the four element 10 meter antenna in the front—covering the entire 1.7 MHz of the band. Three feed lines provide maximum versatility and enable simultaneous operation on all three bands (when using bandpass filters) which is perfect for contesting. The antenna comes with the "Magnum" mounting hardware and is conservatively rated at 100 mph.

C-3S $719

The Force 12 C-3S is a compact 6 element triband beam for 10m, 15m, and 20m operation, on a 12' boom. It's perfect for the amateur who wants monoband performance in the smallest package with the smallest visual footprint. The antenna shares the same core design as the C-3 on 10, 12, 15, 17, and 20m. The 10m director on the C-3 has been moved inside and changed to a reflector. The trade off with the more compact design is that the bandwidth on 10 meters is less and operation on 12m requires a good tuner.

C-4 .....$1099

The Force 12 C-4 is basically a C-3 with the addition of 40 meters. The Force 12, EF-140S shortened dipole has been added to the antenna on the same boom. The 40 meter dipole is 37 feet long and provides about 130 kHz coverage anywhere on the 40m band. The 40m dipole has a separate feed line so that the core antenna remains intact. Requires two baluns. The C-3 can be upgraded to a C-4 with the C-4C conversion kit.

C-4C $249

C-3 to C-4 conversion kit, also converts C-3S to C-4S.

C-4S $919

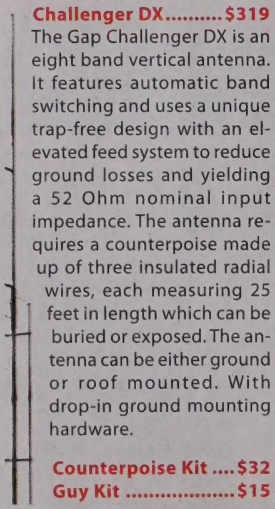
The Force 12 C-4S is basically a C-3S with the addition of the Force 12, EF-140S shortened dipole for 40m. The 40 meter dipole has a separate feed line so the core antenna remains intact. Band coverage is 130 kHz. Requires two baluns.

C-4XL $1499

The Force 12 C-4XL is basically a C-3 enhanced with a two element 40 meter Yagi with 37' elements. The front 40m element is the driver and is placed within the reflector section of the C-3, similar to the C-4 design. The boom has been extended to 12' for placement of the reflector behind the core C-3. Two feed lines are used so the core antenna remains unchanged. Requires two baluns.

bands covered	80, 40, 20, 15, 12, 10, 6, 2m
bandwidth	<2:1 except 10m: >1 MHz
power rating	1500 watts
recommended mast diameter	n/a
vertical height	31.5'
wind load	4.56 sq. ft.
weight	21 pounds

GAP

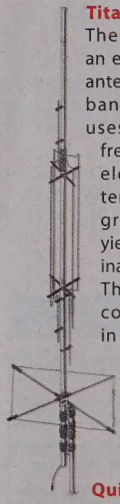


Challenger DX.....$319

The Gap Challenger DX is an eight band vertical antenna. It features automatic band switching and uses a unique trap-free design with an elevated feed system to reduce ground losses and yielding a 52 Ohm nominal input impedance. The antenna requires a counterpoise made up of three insulated radial wires, each measuring 25 feet in length which can be buried or exposed. The antenna can be either ground or roof mounted. With drop-in ground mounting hardware.

Counterpoise Kit $32
Guy Kit $15

bands covered	80, 40, 20, 15, 12, 10, 6, 2m
bandwidth	<2:1 except 10m: >1 MHz
power rating	1500 watts
recommended mast diameter	n/a
vertical height	31.5'
wind load	4.56 sq. ft.
weight	21 pounds



Titan DX $379

The Gap Titan DX is an eight band vertical antenna. It requires no band switching and uses a unique trap-free design with an elevated feed system which reduces ground losses and yields a 52 Ohm nominal input impedance. The antenna has a convenient, built-in 80" counterpoise system, so no additional ground or roof radial system is required.

Guy Kit $25
QuickTilt $75

bands covered	80, 40, 30, 20, 17, 15, 12, 10m
bandwidth	<2:1 except 80m: 100 kHz
power rating	1500 watts
recommended mast diameter	1.25"
vertical height	25'
wind load	5.5 sq. ft.
weight	25 pounds

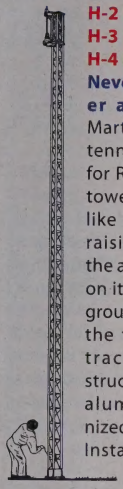
GEOCHRON

Texas Towers is proud to announce that we are now a full line dealer of the world-famous Geochron world time wall clocks!

Many hams have a Geochron purchase on their "someday" list. If you've been thinking of adding one of these beautiful timepieces to your station, there may be no better time than right now! As an introductory special, we're offering free shipping on all Geochron models! Please call us for help with finish, mounting and other custom options.

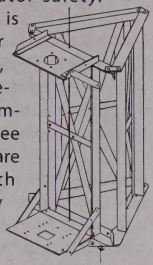
Original Kilburg $1399
Standard.....$1449
Executive $1899
Boardroom $2199

GLEN MARTIN



H-2 Hazer $399
H-3 Hazer $319
H-4 Hazer $399

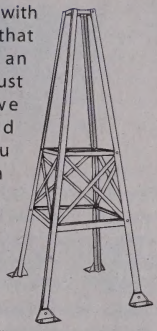
Never climb your tower again! The Glen Martin Hazers are antenna transit systems for Rohn 20G and 25G towers. They function like simple elevators, raising and lowering the antennas mounted on it all the way to the ground. All models use the tower as a guide track and are constructed of heavy duty aluminum or galvanized steel for long life. Installation on an existing tower will require climbing, but if installed when the tower is originally erected no additional climbing is required. Several safety locking systems are utilized to ensure operator safety. Plus, climbing is eliminated for future service, so overall safety is vastly improved. All three Hazer models are supplied with the top pulley block assembly, a winch, winch cable, rotor plate, thrust bearing plate and all the required hardware and mounting brackets.



GLEN MARTIN HAZER SPECIFICATIONS				
MODEL	CONSTRUCTION	WINDLOAD	LOAD	PRICE
H-2	aluminum	12 square feet	175 lbs.	$399
H-3	aluminum	8 square feet	150 lbs.	$319
H-4	galvanized steel	16 square feet	200 lbs.	$399

RT-424 ..... $199
RT-832 ..... $289
RT-936 ..... $459
RT-1832 ..... $599
RT-2632 ..... $979

No tower space? No problem. These Glen Martin four-legged roof towers are rugged enough to support a wide range of Ham antennas—even a reasonably sized tribander or medium sized VHF/UHF array! Windload capacity ranges from 6–18 square feet at 87 MPH. Constructed of high strength aluminum angle and stainless hardware, they will provide many years of trouble free service. All models are supplied with a top plate that will accept an optional thrust bearing (we recommend the Yaesu GS-065), a rotor plate (pre-drilled for Hygain and Yaesu rotators), and footing brackets for easy installation. Depending on antenna load, roof bracing may be required.



GLEN MARTIN ROOF TOWER SPECIFICATIONS					
	RT-424	RT-832	RT-936	RT-1832	RT-2632
HEIGHT	4.5'	8'	9'	17.5'	26'
BASE WIDTH	24"	32"	36"	32"	42"
WINDLOAD	6 sq.' (87 MPH)	8 sq.' (87 MPH)	18 sq.' (87 MPH)	12 sq.' (87 MPH)	9 sq.' (87 MPH)
TOP LOAD	100 pounds	120 pounds	130 pounds	110 pounds	90 pounds
SHELF TO TOP	34-3/4"	43-3/4"	43-3/4"	37-5/8"	37-5/8"
WEIGHT	18 pounds	30 pounds	54 pounds	62 pounds	147 pounds
PRICE	$199	$289	$459	$599	$979

HUSTLER

Hustler Mobile Resonators
Hustler Resonators are the building blocks of a compact HF mobile antenna system. Select the resonators for the bands you wish to operate, add a 50" mast, and install them on any suitable 3/8" x 24 thread mount assembly, and you're ready to operate! (Or use the 22" MO-4 mast and the TLM trunk mount, both sold separately.)

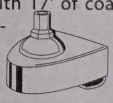
SSM-2, Ball Mount $29

Heavy duty stainless steel ball mount for Hustler Resonators (or any other 3/8" x 24 thread antenna). Adjustable up to 180 degrees for mounting versatility. Can be mounted externally. Supplied with all mounting hardware and cork pad.

HUSTLER MOBILE RESONATORS					
MODEL	BAND	2:1 VSWR	LENGTH	POWER	PRICE
RM-10	10m	150–250 kHz	22"	400 W	$16
RM-10S	10m	250–400 kHz	22"	2000 W	$25
RM-12	12m	90–120 kHz	29.4"	400 W	$16
RM-15	15m	100–150 kHz	20.8"	400 W	$16
RM-15S	15m	150–200 kHz	27.8"	2000 W	$25
RM-17	17m	120–150 kHz	34.3"	400 W	$23
RM-20	20m	80–100 kHz	27.8"	400 W	$23
RM-20S	20m	100–150 kHz	27.8"	2000 W	$30
RM-40	40m	40–50 kHz	35"	400 W	$25
RM-40S	40m	50–80 kHz	35"	2000 W	$38
RM-75	75m	25–30 kHz	48.5"	400 W	$28
RM-75S	75m	50–60 kHz	48.5"	2000 W	$52
RM-80	80m	25–30 kHz	56"	400 W	$28
RM-80S	80m	50–60 kHz	56"	2000 W	$52

BM-1, Bumper Mount $23
Stainless steel bumper strap mount fits bumpers up to 18" height. Requires 5/16" clearance. Economy version of the SSM-2. Chrome plated.

TLM, Trunk Mount..... $24
Allows antenna mounting without drilling holes. With 17' of coax and PL-259 connector. Designed for use with the MO-4 mast system (described below).



MO-1, 50" Mast $33
Folds 15" above base.

MO-2, 50" Mast $33
Folds 27" above base.

MO-3, 54" Mast $25
Does not fold. White vinyl coating.

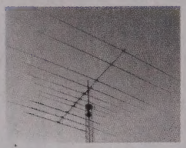
MO-4, 22" Mast $21
Includes 3 new (longer) Resonator whips. Suitable for trunk mounting with the Hustler TLM.

4-BTV $139
5-BTV $179
6-BTV $189

These Hustler HF verticals all feature exceptional mechanical construction, with all sections of 1-1/4" high-strength, corrosion-resistant aluminum tubing, and one inch fiberglass trap forms. All handle 1500 Watts SSB, 1000 Watts CW, weigh approximately 17 pounds have a wind surface area of 1.5 square feet, and will accept masts up to 1.75" in diameter. The design of all models is very clean and all are especially easy to assemble and tune, making them excellent for portable use and field day operation.

4-BTV ..... 10, 15, 20, 40m / 21'5"
5-BTV ..... 10, 15, 20, 40, 75/80m / 25'1"
6-BTV ..... 10, 15, 20, 30, 40, 75/80m / 24'1"
bandwidth, 10–20m . whole band @ 1.6:1 VSWR
bandwidth, 30m ..... whole band @ 1.3:1 VSWR
bandwidth, 40m ..... whole band @ 2:1 VSWR
bandwidth, 75/80m ..... 100 kHz

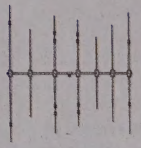
HYGAIN



TH-11DX $995

The Hygain TH-11DX is an eleven element, five band beam antenna designed for maximum broadband, high performance operation on the 10, 12, 15, 17 and 20m amateur bands. The antenna features an improved, corrosion resistant wire boom support and is supplied with all stainless steel hardware and clamps for long life. Also supplied is the Hygain BN4000B high power current balun.

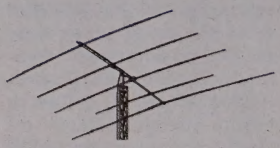
band coverage	10/12/15/17/20m
2:1 bandwidth	1200/100/450/100/350 kHz
gain	9.2/7.5/8.1/8.4/8.6 dBi
F/B ratio	19/15/25/22/27 dB
boom length / diameter	24' / 2"
elements / longest element	11 / 37'
mast range / turning radius	1.9–2.5" / 22'
power handling	4000 W PEP
surface area / survival	12.5 sq. ft. / 100 MPH
weight	88 pounds



TH-7DX $749

The Hygain TH-7DX is a seven element, triband beam antenna designed for broadband, high performance operation on the 10, 15 and 20m amateur bands. The antenna features rugged die-cast aluminum boom to mast clamps and heavy gauge element to boom brackets, and is supplied with all stainless steel hardware and clamps for long life. Also supplied is the Hygain BN86 balun.

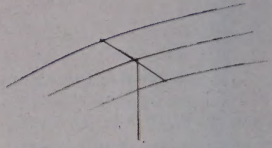
band coverage	10/15/20m
2:1 bandwidth	1700/450/350 kHz
gain	9.6/8.7/8 dBi
F/B ratio	18/22/22 dB
boom length / diameter	24' / 2"
elements / longest element	7 / 31'
mast range / turning radius	2–2.5" / 20'
power handling	1500 W PEP
surface area / survival	9.4 sq. ft. / 100 MPH
weight	75 pounds



TH-5MK2 ..... $659

The Hygain TH-5MK2 is a five element, triband beam antenna designed for broadband, high performance operation on the 10, 15 and 20m amateur bands. Broadbanding is accomplished through the use of two fully trapped driven elements. The antenna is supplied with all stainless steel hardware and clamps for long service life. Also supplied is the Hygain BN86 voltage balun.

band coverage	10/15/20m
2:1 bandwidth	1400/450/350 kHz
gain	9/8/7.8 dBi
F/B ratio	19/22/19 dB
boom length / diameter	19' / 2"
elements / longest element	5 / 31'6"
mast range / turning radius	1.9–2.5" / 18'5"
power handling	1500 W PEP
surface area / survival	7.4 sq. ft. / 100 MPH
weight	57 pounds

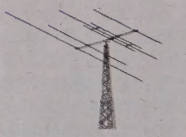


TH-3MK4 ..... $399
BN-86 ..... $75

The Hygain TH-3MK4 is a three element, triband beam antenna designed for broadband, high performance operation on the 10, 15 and 20m amateur bands. The antenna uses Hygain's full power "Hy-Q" traps and rugged boom to mast bracket, and is supplied with all stainless steel hardware for long life. The Hygain BN86 or similar balun is required, but not provided.

band coverage	10/15/20m
2:1 bandwidth	1000/250/250 kHz
gain	8 dBi, average
F/B ratio	25 dB, average
boom length / diameter	14' / 2"
elements / longest element	3 / 27'5"
mast range / turning radius	1.9–2.5" / 15'4"
power handling	1500 W PEP
surface area / survival	4.6 sq. ft. / 95 MPH
weight	35 pounds

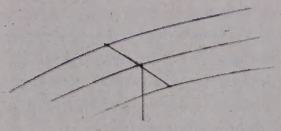
HYGAIN



EXP-14 ..... $519
QK-710 ..... $159
BN-86 ..... $75

The Hygain Explorer-14 is a four element, triband beam antenna designed for broadband, high performance, high efficiency operation on the 10, 15 and 20m amateur bands (30 or 40m operation can be added with the QK-710). The antenna is supplied with all stainless steel hardware for long life. A Hygain BN86 or similar balun is required, but not supplied.

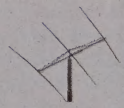
band coverage	10/15/20m
2:1 bandwidth	1700/450/350 kHz
gain	8.8/8/7.5 dBi
F/B ratio	21/27/27 dB
boom length / diameter	14'2" / 2"
elements / longest element	4 / 31'6"
mast range / turning radius	2–2.5" / 17'3"
power handling	1500 W PEP
surface area / survival	7.5 sq. ft. / 100 MPH
weight	45 pounds



TH-3JRS $319

The Hygain TH-3JRS is a compact three element, triband beam antenna designed for broadband, high performance operation on the 10, 15 and 20m amateur bands. Its small size makes it an ideal choice for the operator with space limitations or for rooftop or lightweight tower installations. The antenna is supplied with stainless steel hardware and clamps. A Hygain BN86 or similar balun is required, but not supplied.

band coverage	10/15/20m
2:1 bandwidth	1100/300/250 kHz
gain	up to 8 dBi
F/B ratio	25 dB, average
boom length / diameter	12' / 1.25"
elements / longest element	3 / 27'3"
mast range / turning radius	1.25–2" / 14'9"
power handling	600 W PEP
surface area / survival	3.4 sq. ft. / 80 MPH
weight	21 pounds



DIS-71 ..... $269

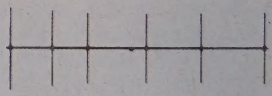
The Hygain DIS-71 is a rotatable dipole for 40m operation.

band coverage	40m
2:1 bandwidth	220 kHz at 7.2 MHz
gain	7 dBi
elements / longest element	1 / 45'
mast range / turning radius	1.25–2.5" / 22'6"
power handling	1500 W PEP
surface area / survival	2.7 sq. ft. / 100 MPH
weight	23 pounds

DIS-72 ..... $569
DIS-73K $359

The Hygain DIS-72 is a two element beam antenna for 40m. The DIS-73K is a DIS-71 to DIS-72 conversion kit.

band coverage	40m
2:1 bandwidth	187 kHz
gain	4.3 dBd
F/B ratio	15 dB
boom length / diameter	22'7" / 2"
elements / longest element	2 / 44'8"
mast range / turning radius	1.63–2.5" / 25'
power handling	1500 W PEP
surface area / survival	6 sq. ft. / 80 MPH
weight	55 pounds



VB-66DX $249

The Hygain VB-66DX is a full sized six element, 6m beam.

band coverage	50–54 MHz
2:1 bandwidth	1 MHz
gain	12.5 dBi
F/B ratio	20–25 dB
boom length / diameter	24'6" / 2"
elements / longest element	6 / 9'9"
mast range / turning radius	1.25–2.5" / 12'6"
power handling	2000 W PEP
surface area / survival	1.8 sq. ft. / 80 MPH
weight	17 pounds

VB-64DX $139

The Hygain VB-64DX is a four element 6 meter beam antenna designed for maximum gain.

band coverage	50–54 MHz
2:1 bandwidth	1 MHz
gain	10.35 dBi
F/B ratio	20–25 dB
boom length / diameter	12' / 1.25"
elements / longest element	4 / 9'11"
mast range / turning radius	1.63–2.06" / 8'
power handling	1000 W PEP
surface area / survival	1.1 sq. ft. / 100 MPH
weight	10 pounds

HYGAIN

AV-18HTS $849

The Hygain AV-18HTS is a self supporting five band vertical antenna covering 10–80m. It features automatic band selection and is supplied with all stainless steel hardware and a tilt-over base assembly. Approximately 250 kHz bandwidth at 2:1 VSWR on 80m. Unity gain on 20, 40, and 80m; 2 dB gain on 10 and 15m.

band coverage	10/15/20/40/80m
length	53'
concrete base required	3' x 3' x 3'
power handling	1500 W, PEP
wind survival	75 MPH (unguyed)
weight	114 pounds

LC-160Q $99

The Hygain LC-160Q is a base loading coil for the AV-18HTS. It is very easily installed, and provides exceptional 160m performance.

AV-640 ..... $349

The Hygain AV-640 is an eight band HF vertical antenna, computer optimized for maximum gain, covering 6/10/12/15/17/20/30/40m. Since no traps are used, signal losses are reduced, as is wind surface area. The antenna is completely self contained, so no long wire radials or counterpoise kits are necessary. 2:1 VSWR bandwidth is 150 kHz on 40m, 175 kHz on 30m, 500 kHz on 12, 15, 17 and 20m, and 1.5 MHz on 10 and 6m. The AV-640 is an excellent choice for portable or fixed station use. Constructed of corrosion-free aircraft grade aluminum and heavy duty fiberglass, the antenna will provide years of trouble-free service.

band coverage	10/12/15/17/20/30/40/80m
length	25'10"
mast range	1.25"–2.5"
power handling	1500 W, PEP (6m: 300 W)
wind survival	80 MPH (unguyed)
wind load / weight	2.5 sq. ft. / 22 pounds

AV-620 ..... $269

The Hygain AV-620 is a six band HF vertical antenna, computer optimized for maximum gain, covering 6/10/12/15/17/20m. Since no traps are used, signal losses are reduced, as is wind surface area. The antenna is completely self contained, so no long wire radials or counterpoise kits are necessary. Its 2:1 VSWR bandwidth is 500 kHz on 12, 15, 17 and 20m, 1.5 MHz on 10m, and 6 MHz on 6m. The AV-620 is an excellent choice for portable or fixed station operation. Constructed of corrosion-free aircraft grade aluminum and heavy duty fiberglass, the antenna will provide years of trouble-free service.

band coverage	6/10/12/15/17/20m
length	23'
mast range	1.25"–2.5"
power handling	1500 W, PEP (6m: 500 W)
wind survival	80 MPH (unguyed)
wind load / weight	2.4 sq. ft. / 12 pounds

DX-77A $389

The DX-77A is a self supporting seven band, vertical antenna covering 10–40m. 2:1 bandwidth is typically 1700 kHz on 10m, 400 kHz on 12m, 500 kHz on 15m, 250 kHz on 17 and 20m, and 150 kHz on 30 and 40m.

band coverage	10/12/15/17/20/30/40m
length / radials	29' / 4 @ 5'
mast range	1.50"–2.125"
power handling	1500 W, PEP
wind survival	60 MPH (unguyed)
wind load / weight	1.9 sq. ft. / 25 pounds

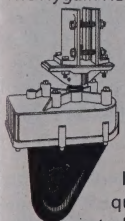
DX-88 ..... $319

The DX-88 is a self supporting eight band vertical antenna covering 10–80m. It features low-loss traps and is supplied with stainless steel hardware for long term reliability.

band coverage	10/12/15/17/20/30/40/80m
length / ground radials	25' / required
mast range	1.50"–1.625"
power handling	1500 W, PEP
wind survival	75 MPH (unguyed)
wind load / weight	1.9 sq. ft. / 18 pounds

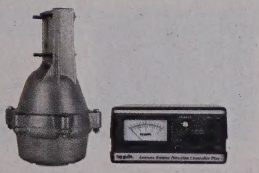
HYGAIN

HDR-300A $1269



The Hygain HDR-300A is a heavy duty antenna rotator with a hardened steel output shaft, heavy duty self centering steel mast clamp and hardware, and quick connect control cable connector. It is supplied with a digital control box (which can be calibrated for North or South centered display) accurate to .1 degree. The HDR-300A is perfect for HF monoband stacks, as well as for large VHF/UHF arrays.

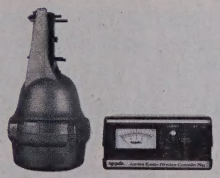
wind load capacity	25 sq. ft.
max. effective moment	5,000 ft.-lbs.
max. rotate time	60 seconds
brake type	solenoid operated lock
rotate/brake torque	5,000/7,500 in.-lbs.
mast range	1-1/4–3" (32–76 mm)
cable requirement	7 conductor
motor size	9" diam., 17" high
motor weight	27 pounds
input voltage	120/220 vAC
control box size	8.8" H x 5.3" W x 14" D



T2X Tailtwister $569

The Tailtwister T2X is a heavy duty antenna rotator with triple bearing races, and an electrically activated wedge brake to keep your antenna put, even in high winds. Features an illuminated control box, and is supplied with a weather-resistant motor connector and quick-connect control plug, as well as all mounting hardware for in-tower installation.

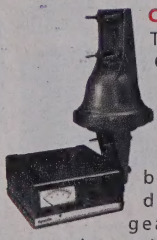
wind load capacity	20 sq. ft.
max. effective moment	3,400 ft.-lbs.
max. rotate time	60 seconds
brake type	electric wedge
rotate/brake torque	1,000/9,000 ft.-lbs.
mast range	1-7/8–2-1/16" (48–52 mm)
cable requirement	8 conductor
motor size	9" diam., 14" high
motor weight	23 pounds
input voltage	120 vAC
control box size	4.3" H x 8.5" W x 9" D



HAM-IV $499

The Hygain HAM-IV is a medium duty antenna rotator with dual bearing races, and an electrically activated wedge brake to keep your antenna put, even in high winds. Features an illuminated control box, and is supplied with a weather-resistant motor connector and quick-connect control plug, as well as all mounting hardware for in-tower installation.

wind load capacity	15 sq. ft.
max. effective moment	2,800 ft.-lbs.
max. rotate time	60 seconds
brake type	electric wedge
rotate/brake torque	800/5,000 ft.-lbs.
mast range	1-7/8–2-1/16" (48–52 mm)
cable requirement	8 conductor
motor size	8" diam., 13-1/2" high
motor weight	18 pounds
input voltage	120 vAC
control box size	4.3" H x 8.5" W x 9" D



CD45II $349

The Hygain CD45II is a light to medium duty antenna rotator with dual bearing races, die cast ring gear, stamped steel gear drive. Features an illuminated control box and comes with a quick-disconnect control plug as well as all mounting hardware. Also supplied with a lower mast clamp for mounting the rotator on a mast (reduces wind load capacity to 5 square feet).

wind load capacity	8.5 sq. ft.
max. effective moment	1,200 ft.-lbs.
max. rotate time	60 seconds
brake type	disk brake
rotate/brake torque	600/800 ft.-lbs.
mast range	1-7/8–2-1/16" (48–52 mm)
cable requirement	8 conductor
motor size	8" diam., 17.4" high
motor weight	13 pounds
input voltage	120 vAC
control box size	4.3" H x 8.5" W x 9" D

IC-7800 ..... $10,600

FREE UPS

The Icom IC-7800 is a competition class transceiver, covering HF and 6m. The radio has a huge, color, active matrix LCD TFT display with built-in real time bandscope display function, and features two fully independent receivers, allowing simultaneous reception of signals on two different bands. The radio incorporates four 32-bit floating point digital signal processors (two for the main receiver, one for the second receiver, and one for the bandscope display, providing digital IF filtering, digital notch filtering, digital noise blanker, general digital noise reduction, and more). Other features include a built-in automatic antenna tuner, 101 memory channels, four antenna input jacks, 200 Watts of RF output power, dual analog S-meters, and much, much more. The radio is supplied with rack mounting handles, AC power cord, and a 64 MB CompactFlash memory card.

RX range	300 kHz–60 MHz
frequency stability	±.05 PPM
sensitivity	< .16 µV
selectivity	15, 6, 2.4 kHz; 500, 350 Hz
RF output	200 watts, all bands
input voltage	85–265 vAC
current consumption	800 vA
size	16.7" W x 5.9" H x 17.1" D
weight	55 pounds

IC-7800 ACCESSORIES

IC-PW1 ..... $4629
Solid state, no-tune 1 kW linear amplifier with built-in auto tuner.

SM-20 ..... $189
Matching deluxe, professional-style desktop microphone.

SP-20 ..... $219
Deluxe matching external speaker with audio filters.

PRICE INCLUDES ALL COUPONS & REBATES

IC-756PROIII $2699.99

FREE UPS

The Icom IC-756PROIII is an all mode HF and 6m transceiver. It has a big, 5" color LCD TFT display, and features a high speed automatic antenna tuner, 32-bit DSP, selectable bandpass filter shape, CW and voice memory keyers, RTTY demodulator (reads RTTY signals on the built-in display), high stability crystal oscillator, dual in-band RX, 101 memory channels, microphone compressor, RF speech compressor, spectrum scope display, SWR meter, microphone equalizer, triple band stacking registers, twin passband tuning, VOX, 100% duty cycle, and more. The radio is supplied with a hand microphone with up and down frequency controls, and a fused DC power cord.

RX range	300 kHz–60 MHz
frequency stability	±.5 PPM
sensitivity	< .16 µV
selectivity	15, 6, 2.4 kHz; 500 Hz
RF output	100 watts, all bands
input voltage	13.8 vDC
current consumption	23 amps, max.
size	13.4" W x 4.4" H x 11.2" D
weight	21 pounds

IC-756PROIII OPTIONS

CT-17 ..... $129
CI-V level converter. Allows remote control via personal computer.

OPC-025D $25
Fused DC power cord.

PS-125 ..... $329
Matching external switching DC power supply.

SM-20, Deluxe Desk Mic $189

SP-23 ..... $169
Matching external speaker.

UT-102, Voice Synthesizer $59

ICOM

PRICE INCLUDES ALL COUPONS & REBATES

Free PS-125 Power Supply!

IC-746PRO $1549

FREE UPS

The Icom IC-746PRO is an HF, 6m and 2m all mode transceiver. The radio has a blue dot matrix LCD display with band scope display function, and features 32-bit digital signal processing, built-in automatic antenna tuner, CTCSS tone encode/decode, CW memory keyer, 102 memory channels, noise blanker, 2 step preamp, full break-in, built-in RTTY demodulator and decoder (reads RTTY signals on the LCD display), TX audio monitor, triple band stacking registers, digital twin pass band tuning, VOX, and more! The radio is supplied with a hand mic with up/down frequency controls and a fused DC power cord.

RX range	30 kHz–60 MHz, 108–174 MHz
sensitivity	< .16 µV
selectivity	15, 6, 2.4 kHz; 500, 350 Hz
IF stages	4 (3 in FM)
RF output	100 watts, all bands
input voltage	13.8 vDC +- 15%
current consumption	23 amps
size	4.8" H x 11.3" W x 12.5" D
weight	20 lbs.

IC-746PRO ACCESSORIES

CR-338 ..... $69
High stability TCXO (±.5 PPM).

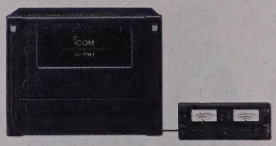
CT-17 ..... $129
CI-V converter for computer control.

OPC-025D, DC Cable $25
Fused DC power cord.

SM-20 ..... $189
Deluxe desktop microphone.

SP-23 ..... $169
Deluxe external speaker with filters.

UT-102 ..... $59
Internal voice synthesizer module.



IC-PW1 ..... $4629

FREE UPS

The Icom IC-PW1 is a solid state, no tune 1000 Watt amplifier covering all amateur HF bands, plus 6m. The amplifier provides a stable, clean and low distortion signal and offers full duty cycle and full break-in operation. Its great for DX'peditions and contest operation—or for anyone else who doesn't want to waste time fooling around with constant amplifier tuning and retuning.

Wide ALC range:
Internal circuitry allows the ALC to be adjusted over a wide range. This means that the amplifier can be used with almost any HF/6m transceiver—not just Icom rigs.

Compact Size:
The IC-PW1 has a removable control panel which allows the bulk of the amplifier to be moved out of the way. The controller measures only 6.8" H x 9.1" W x 2.8" D and includes built-in, illuminated SWR and power meters.

Other features include a built-in high power automatic antenna tuner with four position coax switch, two position radio input switch, automatic input over voltage selector, current/voltage/temperature/SWR/power protection circuits, four cooling fans, and more. Supplied with a coax jumper cable, control separation cable, accessory plugs and AC power cord.

band coverage	160–15m, 6m
RF output	1000 watts
duty cycle	100%
spurious radiation (6m)	<-60, (<-70) dB
tuner range (6m)	16.7–150(20–125) Ohms
input voltage	110 or 220 vAC
current consumption (220 vAC)	20 A (15 A)
size	13.8" W x 10.6" H x 14.9" D
weight	55 pounds

ICOM

PRICE INCLUDES ALL COUPONS & REBATES

Plus Free RMK-7000!

RX range ..... .3–200, 400–470 MHz
sensitivity ..... <.16 µV, typical
selectivity ..... 41 DSP presets
frequency stability ..... ±.5 PPM
RF output ..... 100 W, 2m: 50 W, 70cm: 35 W
input voltage ..... 13.8 vDC, 20 A
dimensions ..... 6.6" W x 2.3" H x 7.1" D
weight ..... 6 pounds

IC-7000 ..... $1299.95

FREE ups

The Icom IC-7000 is a compact HF/6m/2m/70cm all mode transceiver. The radio has a 2.5" color TFT LCD display with bandscope function, and features twin digital signal processing units (offering IF filtering, dual notch filters, voice recorder, noise blanker, and noise reduction), CTCSS tone encode/decode, 503 memory channels, CW memory keyer, built-in voice synthesizer and more. The radio is supplied with a backlit remote hand microphone with up and down frequency controls, and a fused DC power cord.

IC-7000 OPTIONS

AH-4, Mobile Tuner $249
External mobile automatic antenna tuner covers 3.5–50 MHz with 23' wire, or 7–50 MHz with 9' whip.

AT-180 Auto Tuner $359
Matching external automatic antenna tuner, covering HF–6m. Unbalanced coaxial input, handles up to 3:1 VSWR.

HM-154T, DTMF Mic $59

MB-62, Radio Bracket $20

MB-105, Face Bracket $20

MB-65, Radio Bracket $35
Adjustable bracket for MB-105.

MB-106, Carry Handle $20

PRICE INCLUDES ALL COUPONS & REBATES

Plus Free RMK-706!

RX range ..... .3–200, 400–470 MHz
sensitivity ..... < .15 µV, typical
selectivity ..... 12, 8, 2.4 kHz
frequency stability ..... ±1 PPM
RF output ..... 100 W, 2m: 50 W, 70cm: 20 W
input voltage ..... 13.8 vDC, 20 A
dimensions ..... 2.3" H x 6.6" W x 7.8" D
weight ..... 5.5 pounds

IC-706MK2G $900

FREE ups

The ICOM IC-706-MK2G is a compact HF/6m/2m/70cm all mode transceiver. The radio has a green dot matrix LCD display, and features band scope display, CTCSS tone encode/decode/scan, CW keyer, built-in digital signal processing module (which offers IF filtering, noise reduction, and automatic notch filter), 107 memory channels, noise blanker, and more. The radio is supplied with a hand microphone with up and down frequency controls, and a fused DC power cord.

IC-706MKIIG OPTIONS

AH-4, Mobile Tuner $249
External mobile automatic antenna tuner covers 3.5–50 MHz with 23' wire, or 7–50 MHz with 9' whip.

AT-180, Auto Tuner $359
External auto tuner, covers HF–6m. Coax input, handles 3:1 VSWR.

CR-282, TCXO Module $119

FL-100, 500 Hz Filter $99

FL-101, 250 Hz Filter $99

FL-223, 1.9 kHz Filter $79

FL-232, 300 Hz Filter $99

HM-154T, DTMF Mic $59

MB-65, Radio Bracket $35

OPC-025D, DC Cable $25

UT-102, Voice Synthesizer $59

ICOM

PRICE INCLUDES ALL COUPONS & REBATES

IC-718 ..... $549

FREE ups

The Icom IC-718 is an HF transceiver with general coverage receive. The radio has an amber LCD display, has a front panel mounted speaker, and features CW keyer, direct keypad frequency entry, digital signal processing (offers bandpass filters, noise reduction and auto notch), SWR meter, and more. Supplied with an up/down hand mic, and a fused DC power cord.

RX coverage ..... 300 kHz–30 MHz
sensitivity ..... <.16 µV, typical
selectivity ..... 6, 2.1 kHz
frequency stability ..... < 2 PPM
RF output ..... 100 W
input voltage ..... 13.8 vDC, 20 A
dimensions ..... 3.8" H x 9.5" W x 9.4" D
weight ..... 9 pounds

IC-718 OPTIONS

AH-4, Mobile Tuner $249
External mobile automatic antenna tuner covers 3.5–50 MHz with 23' wire, or 7–50 MHz with 9' whip.

AT-180 Auto Tuner $359

CR-338, TCXO Module $69

CT-17, Level Converter $129
Allows personal computer control. Requires third party software.

FL-52A, 500 Hz Filter $169

FL-53A, 250 Hz Filter $169

FL-222, 1.8 kHz Filter $185

FL-257, 3.3 kHz Filter $165

MB-5, Mobile Bracket $45

MB-23, Carry Handle $15

OPC-025D, DC Cable $25

SM-20, Deluxe Desk Mic $189

SP-20, Deluxe Speaker $219

UT-102, Voice Synthesizer $59

IC-910H $1329

FREE ups

The Icom IC-910H is an all mode 2m/70cm transceiver. It has a large, dual frequency LCD display, and features 100 Watt output (75 Watts on 70cm), 9600 bps data mode, dual data input jacks, dual RX, CTCSS tone encode, CW keyer, satellite mode, sweep display function, multiple scan modes, and more. Supplied with a hand microphone with up and down frequency controls and a fused DC power cord.

RX coverage ..... 136–174, 430–450 MHz
sensitivity ..... <.11 µV
selectivity ..... 15, 6, 2.8 kHz
frequency stability ..... < 3 PPM
RF output ..... 2m: 100 W, 70cm: 75 W
input voltage ..... 13.8 vDC, 23 A
dimensions ..... 3.7" H x 9.5" W x 9.4" D
weight ..... 10 pounds

IC-910H OPTIONS

AG-25, 2m Preamp $159
Mast-mounted 2m preamp.

AG-35, 70cm Preamp $169
Mast-mounted 70cm preamp.

CR-293, TCXO Module $269

CT-17, Level Converter $129
Allows personal computer control.

FL-132, Main 500 Hz Filter $99

FL-133, Sub 500 Hz Filter $99

MB-5, Mobile Bracket $45

MB-23, Carry Handle $15

OPC-025D, DC Cable $25

SM-20, Deluxe Desk Mic $189

UT-102, Voice Module $59

UT-106, DSP Module $129
The Icom UT-106 DSP module offers bandpass filters, noise reduction and auto notch. One can be installed for each band.

UX-910, 23cm Module $499
Internal 23cm band module.

ICOM

PRICE INCLUDES ALL COUPONS & REBATES

RX coverage (main).....118–549.99, 810–999 MHz
sensitivity.....<.18 µV
RF output (2m/70cm).....50 Watts
input voltage.....13.8 vDC
current consumption.....13 amps
dimensions.....1.6"H x 6"W x 7.4"D
weight.....3.3 pounds

IC-2820H $649.95

FREE ups

The Icom IC-2820H is a 2m/70cm dual band FM transceiver with optional D-STAR + GPS operation. The radio has a large easy-to-read LCD dot-matrix display and features a removable front control panel, bandscope function, CTCSS tone encode/decode, 9600 bps data jack, 16 DTMF memories (24-digit), DTMF paging/squelch, DTMF remote control mode, 522 memory channels, multiple scan modes, weather alert modes, and more. The optional UT-123 offers D-STAR (digital voice) operation and has a built-in GPS receiver. The radio is supplied with a DTMF hand microphone with up and down frequency controls and a fused DC power cord.

IC-2820H ACCESSORIES

CS-2820, Software $32
Windows™ compatible programming software. Requires either the OPC-478 or OPC-1529R.

MB-65, Mounting Bracket..... $35
For mounting the front control panel.

OPC-478, Programming Cable $39
RS-232C programming cable (DB-9).

OPC-1529R, Data Cable $23
Allows data communications in DV mode as well as PC programing.

OPC-1132, 3m Power Cord..... $25

OPC-1663, 3.4m Sep. Cable .....TBA

SP-10, Mobile Speaker $59

UT-123, Digital/GPS Unit..... $279

PRICE INCLUDES ALL COUPONS & REBATES

RX coverage ... 118–174, 230–550, 810–999 MHz
sensitivity.....<.18 µV
RF output (2m/70cm).....55 / 50 W
input voltage.....13.8 vDC
current consumption.....12 amps
dimensions.....1.6" H x 5.6" W x 7.3" D
weight.....2.7 pounds

IC-208H ....,..... $254.95

FREE ups

The Icom IC-208H is a compact 2m/70cm dual band FM transceiver. It has a green LCD display (switchable to amber) and features a 9600 bps data port, extended RX with AM/narrow AM/FM/wide FM modes, detachable front control panel, CTCSS and DTCS tone encode/decode/scan, 16 DTMF autodial memory channels, 500 memory channels, multiple scan modes, weather alert mode, and more. Supplied with a mounting bracket with hardware, an illuminated up/down DTMF hand mic with programmable control buttons, 3.5m (11-1/2') separation cable, and a fused DC power cord.

IC-208H ACCESSORIES

CS-208, Software..... $29
Windows™ compatible programming software. Requires OPC-478(U).

MB-17A, Mobile Bracket $38

MB-58, Front Bracket..... $35

MB-65, Adjustable Base $65
Adjustable base for MB-58.

OPC-478, Programming Cable $39
Serial programming cable (DB-9).

OPC-478U, USB Cable $54
USB Programming cable.

OPC-601R, 7m Sep. Cable $49

OPC-1132, 3m Power Cord..... $25

SP-10, Mobile Speaker $59

ICOM

PRICE INCLUDES ALL COUPONS & REBATES

RX coverage ..... 136–174 MHz
sensitivity..... <.15 µV
RF output..... 75 W
input voltage..... 13.8 vDC, 15 A
dimensions..... 2" H x 6" W x 6" D
weight..... 2.2 pounds

IC-V8000 ..... $179.95

FREE ups

The Icom IC-V8000 is a rugged 2m FM mobile transceiver with 75 Watts of RF output power! It has a switchable amber or green alphanumeric (6-character) LCD display, and features a die-cast aluminum chassis, weather alert scan mode, DTCS encode/decode/scan, CTCSS tone encode/decode/scan, extended receive, optional DTMF paging and squelch, 200 memory channels, 10 DTMF autodial memory channels (24-digit), multiple scanning modes, and more. The radio is supplied with a fused DC power cord, mobile mounting bracket with hardware and a backlit DTMF hand microphone with up and down frequency controls and programmable control buttons.

IC-V8000 ACCESSORIES

CS-V8000, Software $29
Windows™ compatible programming software. Requires OPC-478 or OPC-478U programming cable.

OPC-474, Cloning Cable $18
Allows cloning of memory programing from one radio to another.

OPC-478, Programming Cable $39
Serial programming cable (DB-9).

OPC-478U, Programming Cable .. $54
USB Programming cable.

OPC-1132, 3m Power Cord..... $25

SP-10, Mobile Speaker $59

UT-108, DTMF Decoder $29

PRICE INCLUDES ALL COUPONS & REBATES

IC-2200H $139.95

FREE ups

The Icom IC-2200H is a 2m FM mobile transceiver. It has a switchable amber or green alphanumeric LCD display, and features AM RX, CTCSS tone encode/decode/scan, DTCS paging/squelch, 24 DTMF autodial memories, extended RX, 207 memories, multiple scanning modes, weather channel with alert, and more. The optional UT-118 digital unit provides digitally modulated and demodulated clear voice and data communications at 4.8 kbps. Supplied with a fused DC power cord, mobile bracket with hardware and a backlit DTMF hand mic with up/down controls and programmable remote control buttons.

RX coverage ..... 138–174 MHz
sensitivity..... .13 µV, typical
RF output..... 65 W
input voltage..... 13.8 vDC, 15 A
dimensions..... 1.6" H x 5.5" W x 5.8" D
weight..... 2.8 pounds

IC-2200H ACCESSORIES

CS-2200, Software..... $69
Windows™ programming software. Requires programming cable.

MB-17A, Mobile Bracket $38

OPC-474, Cloning Cable $18
Allows cloning of memory programing from one radio to another.

OPC-478, Programming Cable $39
Serial programming cable (DB-9).

OPC-478U, Programming Cable .. $54
USB Programming cable.

OPC-1132, 3m Power Cord..... $25

SP-10, Mobile Speaker $59

UT-108, DTMF Decoder $29

UT-118, Digital Module $189

ID-1 ..... $979.99

FREE UPS

The Icom ID-1 is a 1.2 GHz mobile transceiver designed specifically for D-Star digital voice + data operation. It has a separate front control panel with backlit LCD display, and features 950 bps data communication in DV mode, CTCSS tone encode/decode, pocket beep, DSQL digital call sign squelch, CSQL digital code squelch, 10Base-T Ethernet jack, 100 memory channels, multiple scanning modes, and more. The radio is supplied with front control panel with mounting bracket, microphone with up and down frequency controls, Ethernet cable coupler, USB extension cable, microphone extension cable, SP-22 external speaker, controller software CD, and a fused DC power cord.

RX coverage	1240–1300 MHz
sensitivity	<.18 µV
RF output (2m/70cm)	10 W
input voltage	13.8 vDC ±15%
current consumption	7 Amps
dimensions	1.6" H x 5.6" W x 6.3" D
weight	2.6 pounds

What the heck is D-STAR?

D-Star is a new ham radio system which offers digital voice and data communications. It connects repeater sites over microwave links and the internet, forming a wide area ham radio network.

So, what's it do?

It provides digital voice (DV mode) and digital data (DD mode) transmission. Since it's connected to the internet, it makes web, email and other internet applications available wherever your radio is located. (Think wireless internet connectivity—on steroids!)

PRICE INCLUDES ALL COUPONS & REBATES

ID-800H $559

FREE UPS

The Icom ID-800H is a 2m/70cm dual-band D-Star ready mobile XCVR. It has a separate front control panel with backlit LCD display, and features digital voice + 950 bps data capability, wide-band RX (118–173, 230–550, & 810–999 MHz), CTCSS tone encode/decode, 9600 bps data jack, DTCS encode/decode, 16 DTMF memories (24-digit), 500 memory channels, multiple scan modes, weather channel alert mode, and more. With an external GPS receiver attached, position coordinates can be exchanged. Supplied with the front control panel, control cord, radio mounting bracket with hardware, a DTMF hand microphone with up and down frequency controls, and a fused DC power cord.

RX coverage	118–174, 230–550, 810–999 MHz
sensitivity	<.18 µV
RF output (2m/70cm)	55 / 50 W
input voltage	13.8 vDC
current consumption	12 amps
dimensions	1.6" H x 5.6" W x 7.3" D
weight	2.7 pounds

ID-800H ACCESSORIES

CS-D800, Software $39

MB-58, Front Bracket $30

MB-65, Adjustable Base $28
Adjustable base for MB-58.

OPC-478, Programming Cable $39
Serial programming cable (DB-9).

OPC-478U, Programming Cable .. $54
USB Programming cable.

OPC-601R, 7m Sep. Cable $49

OPC-1132, 3m Power Cord $25

SP-10, Mobile Speaker $59

ICOM

PRICE INCLUDES ALL COUPONS & REBATES

IC-R2500 ..... $879.95

The Icom IC-R2500 is a wide-band scanning receiver covering 10 kHz–3300 MHz. It has a wide backlit LCD display showing main and sub bands with independent band controls, and features dual watch, diversity receive capability (50–1300 MHz), 1000 alphanumeric memory channels, optional digital signal processing module, optional D-Star receive, weather alert mode, selectable IF width, IF shift, and more. Supplied with AC adapter, front control panel with 11' separation cable, and a telescoping whip antenna.

IC-PCR2500 ..... $709.95

The IC-PCR2500 is a PC-controlled version of the IC-R2500, without the LCD display. All functions of the IC-R2500 are available via the included Windows™ compatible software. Supplied with AC adapter, USB cable, software CD and telescoping whip antenna.

IC-R1500 ..... $579.95

The Icom IC-R1500 is a single receive version of the IC-R2500. Its front control panel has a single frequency display and controls.

IC-PCR1500 ..... $479.95

The IC-PCR1500 is a PC-controlled version of the IC-R1500, without the LCD display. All functions of the IC-R1500 are available via the included Windows™ compatible software.

RX coverage	10 kHz–3300 MHz
sensitivity	<.5 µV, typical
selectivity	230, 50, 15, 6, 2.8 kHz
modes	AM, CW, FM, FM-W, SSB
input voltage	13.8 vDC @ 1.5 Amps
dimensions	1.6" H x 5.8" W x 8.1" D
weight	3 pounds

IC-R/PCR ACCESSORIES

CP-12L, Cigarette Lighter Cord $29

MB-84, Remote Bracket ..... TBA

MB-65, Mounting Base $35
Provides a convenient mounting base for the MB-84 control bracket.

OPC-254L, DC Cable $14

OPC-1156, Extension Cable $26
Front panel extension cable, 16'.

SP-10, Mobile Speaker $59

UT-106, DSP Module $129
Offers automatic noise reduction which automatically attenuates beat tones, tuning signals, etc.—even if they are moving. All mode noise reduction is also offered, which separates signals from noise, digitally removing much of the unwanted noise.

UT-108, DTMF Decoder $29

UT-118, D-Star Module $189
Either the UT-108 or the UT-118 may be installed, but not both.

UT-122, P25 Digital Module $189

IC-R75 ..... $599

The Icom IC-R75 is an all mode HF/6m desktop receiver. The radio has an amber LCD display, has a front panel mounted speaker, and meets MIL-STD requirements for shock and vibration (MIL 810 C, D, E). The receiver features selectable automatic gain control, automatic notch filter, direct keypad frequency entry, internal UT-106 DSP module, IF shift, 99 memories, built-in S-meter, twin passband tuning, and more. Supplied with AD-55 AC adapter.

RX coverage	300 kHz–60 MHz
sensitivity	<.16 µV
selectivity	12, 6, 2.1 kHz
modes	AM, S-AM, CW, FM, LSB, USB
input voltage	13.8 vDC @ 1.1 Amps
dimensions	3.7" H x 9.5" W x 9" D
weight	7 pounds

ICOM

IC-91A $329.95
IC-91AD $449.95

The Icom IC-91A is a compact 2m/70cm dual-band handheld transceiver. It has a back-lit keypad and dot matrix LCD display, and features bandscope display mode, CTCSS tone encode/decode/scan, dual watch, extended receive (covers 495 kHz–999 MHz), over 1300 memory channels, 10 DTMF memory channels, multiple scanning modes, and more. The IC-91AD adds D-STAR DV mode (digital voice+data). The radio is supplied with a rechargeable Lithium-Ion battery pack, wall charger, belt clip, wrist strap and rubber duck antenna.

RX coverage	495 kHz–999.99 MHz
sensitivity	.16 µV, typical
RF output / connector	5 W / SMA-F
supplied battery	7.4 V / 1300 mAh, Li-Ion
dimensions	4.1" H x 2.3" W x 1.3" D
weight	11 ounces

IC-91A/D ACCESSORIES

BC-139, Desktop Charger..... $89
Desktop rapid charger completely charges BP-217 in 2.5 hours.

BP-216, Alkaline Case..... $29
Holds two AA cells.

BP-217, Li-Ion Battery $75
Rated 7.4 v, 1300 mAh.

CP-19R, Cigarette Lighter Cord....$35

HM-75A, Remote Speaker Mic.. $79

HM-131, Speaker Mic $35

HS-85, VOX/PTT Headset..... $79

LC-163, Vinyl Case..... $33

RS-91, Programming Kit..... $45
Remote control software, with programing cable. Also manually or automatically sends position data when a GPS receiver is connected.

PRICE INCLUDES ALL COUPONS & REBATES

IC-T90A $259

The Icom IC-T90A is a 6m/2m/70cm tri-band handheld transceiver. The radio has a backlit LCD display and DTMF keypad, is built to JIS-4 specification, and features extended receive (covers 495 kHz–999 MHz) in AM/FM/FM wide modes, CTCSS tone encode/decode, DTCS tone encode/decode, 555 memory channels with Dynamic Memory Scan bank scanning, multiple scanning modes, weather alert mode, and more. The radio is supplied with a rechargeable Lithium-Ion battery pack, wall charger, swivel belt clip, wrist strap, and a rubber duck antenna.

RX coverage	495 kHz–999 MHz
sensitivity	.16–.18 µV
RF output	5 W / SMA-F
supplied Li-Ion	7.4 v / 1300 mAh
dimensions	3.4" H x 2.5" W x 1.2" D
weight	9 ounces

IC-T90A ACCESSORIES

BC-139, Desktop Charger..... $89
Desktop rapid charger completely charges BP-217 in 2.5 hours.

BP-216, AA Battery Case $29

BP-217, Li-Ion Battery $75
Rated 7.4 v, 1300 mAh.

CP-19R, Cigarette Lighter Cord....$35

CS-T90A, Software $35
Allows convenient memory channel programming via computer.

OPC-478, Programming Cable.. $39

HM-46, Speaker Mic..... $49

HM-75A, Remote Speaker Mic.. $79

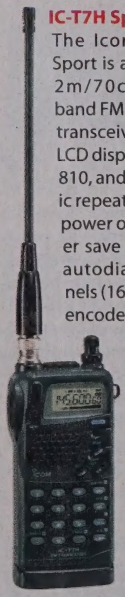
HM-131, Speaker Mic $35

HS-85, VOX/PTT Headset..... $79

LC-152A, Vinyl Case $24

ICOM

IC-T7H Sport..... $169.99



The Icom IC-T7H Sport is a compact 2m/70cm dual-band FM handheld transceiver. It has a back-lit LCD display, meets MIL-STD 810, and features automatic repeater shift, automatic power off, automatic power save mode, nine DTMF autodial memory channels (16-digit), CTCSS tone encode/decode/scan, 100 memory channels, multiple scanning modes, and more. The radio is supplied with an alkaline battery holder, rubber duck, belt clip, and wrist strap. **Please note: the IC-T7H Sport does not include a rechargeable battery pack or wall charger.**

RX coverage	118–174 & 400–470 MHz
sensitivity	< .16 µV
RF output / connector	5.5 (4 W) / BNC-F
batteries required	4, AA
dimensions	4.8" H x 2.3" W x 1.1" D
weight	12 ounces

IC-T7H ACCESSORIES

AD-56, Charge Adapter $16

BC-119N11, Desk Charger..... $79
Rapid charger. Requires AD-56.

BP-170, 4-AA Battery Case..... $29

BP-173, Ni-Cad Battery Pack... $109
Rated 9.6 vDC @ 650 mAh.

CP-12L, Cigarette Lighter Cord..... $29

CSWHH4, Programming Kit..... $45
Windows™ programming software with OPC-478 programming cable.

HM-46, Speaker Mic..... $49

HM-75A, Remote Speaker Mic.. $79

HM-131, Speaker Mic $35

HS-85, VOX/PTT Headset..... $79

LC-137, Vinyl Case..... $35

PRICE INCLUDES ALL COUPONS & REBATES

IC-P7A..... $229.95

The Icom IC-P7A is a compact 2m/70cm dual-band handheld transceiver. It has a backlit LCD display and features automatic repeater shift, automatic power off, automatic power save, extended receive (495 kHz–999 MHz) in AM/FM/FM Wide modes, CTCSS tone encode/decode/scan, DTCS tone encode/decode, over 1200 memory channels, multiple scanning modes, weather alert mode, and more. The radio is supplied with a rechargeable Lithium-Ion battery, wall charger, wrist strap, and a rubber duck antenna.

RX coverage	495 kHz–999 MHz
sensitivity	.18 µV, typical
antenna connector	SMA female
supplied Li-Ion	3.7 V / 1800 mAh
dimensions	3.4" H x 2.5" W x 1.2" D
weight	6 ounces

IC-P7A ACCESSORIES

BC-164, Desktop Charger..... $39
Desktop rapid charger completely charges BP-243 in 3 hours.

BP-243, Li-Ion Battery $49
Rated 3.7 vDC, 1800 mAh.

CP-21LR, Cigarette Lighter Cord....$49

CS-P7, Software $33
Windows™ programming software, allows convenient memory channel programming via computer. Requires OPC-748or OPC-478U.

OPC-478, Programming Cable.. $39

OPC-478U, USB Prog. Cable..... $54

HM-46, Speaker Mic..... $49

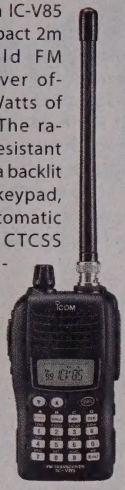
HM-128, Earpiece Mic..... $22

HM-131, Speaker Mic $35

LC-161, Vinyl Case..... $33

ICOM

IC-V85.....$199.95



The Icom IC-V85 is a compact 2m handheld FM transceiver offering a full 7 Watts of output power. The radio is weather resistant (IPX4 rating), has a backlit LCD and DTMF keypad, and features automatic repeater shift, CTCSS tone encode/decode/scan, DTCS encode/decode, 16 DTMF memory channels (24-digit), 107 memory channels in 10 memory banks, weather alert mode, multiple scanning modes, and more. The radio is supplied with a rechargeable Lithium-Ion battery pack, wall charger, wrist strap, belt clip, and a rubber duck antenna.

RX coverage	136 MHz–174 MHz
sensitivity	.16 µV, typical
antenna connector	BNC female
supplied battery	7.2 V / 1700 mAh, Li-Ion
dimensions	4.3" H x 2.3" W x 1.3" D
weight	12.5 ounces

IC-V85 ACCESSORIES

AD-100, Charge Adapter..... $25

BC-119N-51, Desktop Charger.....$79
Rapid charger, completely charges BP-227 in 2.5 hours. Requires AD-100.

BP-226, AA Battery Case $39

BP-227, Li-Ion Battery $84
Rated 7.4 v, 1700 mAh.

CP-19R, Cigarette Lighter Cord....$35

CS-V85, Software $40
Convenient Windows™ memory channel programing software.

HM-75A, Remote Speaker Mic... $79

HS-85, VOX/PTT Headset..... $79

LC-167, Vinyl Case..... $44

OPC-478, Programming Cable... $39

OPC-478U, USB Prog. Cable..... $54

PRICE INCLUDES ALL COUPONS & REBATES

IC-V82 ..... $119.95

The Icom IC-V82 is a rugged 2m FM handheld transceiver offering a full 7 Watts of output power. It has a backlit LCD display and features automatic repeater shift, CTCSS tone encode/decode/scan, DTCS tone encode, extended receive, 200 memory channels in 10 memory banks, NOAA weather channel receive and alert mode, multiple scanning modes, optional UT-118 D-STAR module, and more. The radio is supplied with a rechargeable Ni-Cad battery pack, wall charger, belt clip, wrist strap, and a rubber duck antenna.

RX coverage	136–174 MHz
sensitivity	.16 µV
RF output / connector	7 W / BNC-F
supplied Ni-Cad	7.2 V / 600 mAh
dimensions	5.4" H x 2.1" W x 1.4" D
weight	14 ounces

IC-V82 ACCESSORIES

BC-144N-51, Desktop Charger... $79

BP-208N, AA Battery Case..... $16

BP-209N, Ni-Cad Battery..... $39
Rated 7.2 v, 1100 mAh.

BP-210N, Ni-MH Battery..... $49
Rated 7.2 v, 1650 mAh.

CS-V82, Software $40
Windows™ programming software.

HM-75A, Remote Speaker Mic... $79

HS-85, VOX/PTT Headset..... $79

HM-128L, Earpiece Mic..... $22

OPC-478, Programming Cable... $39

OPC-478U, USB Prog. Cable..... $54

UT-118, Digital Unit..... $189

ICOM

IC-V8 Sport..... $99.95

The Icom IC-V8 Sport is a rugged 2m FM handheld transceiver. It has a back-lit LCD display and DTMF keypad, and features automatic repeater shift, CTCSS tone encode and decode, 5 DTMF autodial memory channels (24 digit), DTMF paging, 100 memory channels, multiple scanning modes, high speed scan, and more. The radio is supplied with an alkaline battery holder, belt clip, wrist strap, and a rubber duck antenna. **Please note: the IC-V8 Sport does not include a rechargeable battery pack or wall charger.**

RX coverage	136–174 MHz
sensitivity	< .16 µV
RF output / connector	5.5 W / BNC-F
batteries required	6, AA
dimensions	5.2" H x 2.1" W x 1.4" D
weight	12 ounces

IC-V8 ACCESSORIES

BC-144N-51, Desktop Charger... $79

BP-208N, AA Battery Case..... $16

BP-209N, Ni-Cad Battery..... $39
Rated 7.2 v, 1100 mAh.

BP-210N, Ni-MH Battery..... $49
Rated 7.2 v, 1650 mAh.

CS-V8, Software $32
Windows™ programming software.

HM-75A, Remote Speaker Mic... $79

HM-128L, Earpiece Mic..... $22

HM-158L, Speaker Mic..... $39

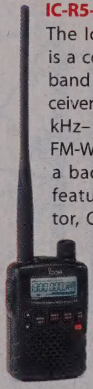
HS-85, VOX/PTT Headset..... $79

OPC-478, Programming Cable... $39

OPC-478U, USB Prog. Cable..... $54

UT-118, Digital Unit..... $189

IC-R5-06 ..... $209



The Icom IC-R5-06 is a compact wideband handheld receiver, covering 150 kHz–1310 MHz in AM/FM/FM-W modes. The radio has a backlit LCD display and features built-in attenuator, CTCSS and DTCS tone squelch, 1250 memory channels, and more. Supplied with two rechargeable AA Ni-Cad cells, wall charger, belt clip, wrist strap and a rubber duck antenna.

IC-R5 ACCESSORIES

CP-18A, Cigarette Lighter Cord ...$25

CS-R5, Software $35
Windows™ programming software.

LC-146A, Vinyl Case $24

OPC-478, Programming Cable... $39

OPC-478U, USB Prog. Cable..... $54

PRICE INCLUDES ALL COUPONS & REBATES

IC-R20..... $504

The Icom IC-R20 is a wideband receiver covering 150 kHz–3.3 GHz in AM/CW/FM/FM-W/SSB modes. The radio has a backlit LCD display and features bandscope display, dual RX, 1250 memory channels, multiple scan modes, 4-hour digital recorder, and more. Supplied with Lithium-Ion battery pack, wall charger, wrist strap, belt clip, and a telescoping whip antenna.

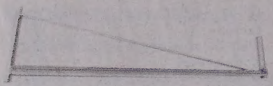
IC-R20A ACCESSORIES

BC-156, Desk Charger..... $80

CS-R20, Programming Kit $56
Windows™ programming software. Comes with USB programing cable.

LC-158A, Vinyl Case $29

IIX EQUIPMENT

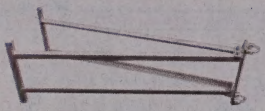


SO-1 ..... $89

The IIX Equipment SO-1 is a single arm standoff bracket designed to quickly solve your extra antenna mounting problems. It will support antennas like the Cushcraft ARX-2B Ringo Ranger or other similar single or dual band antennas, scanner antennas, and even small TV antennas. Constructed of hot-dipped zinc plated steel, and is supplied with two stainless hose clamps for mounting to your tower (additional clamps can be used if more strength is required).

PO-1 ..... $19

The PO-1 pulley allows easy raising and lowering of low band wire antennas.



SO-2 ..... $129

The IIX Equipment SO-2 is a 39" tower standoff bracket. It will support vertical antennas designed to use 1-1/2" U-bolt clamps. Arms are easily adjustable to any tower width. Constructed of galvanized 1" angle iron.

SO-3 ..... $249

The IIX SO-3 is a heavy duty 30" stand off bracket designed for use on towers with legs up to 4" in diameter. Constructed of 1-1/2" galvanized angle iron. Accommodates 2" and 2-1/2" masts.

SO-3L $259

Similar to the SO-3 described above, but stand-off length is 40".

SO5-6 ..... $89

The IIX SO5-6 is a sidearm bracket for Rohn 25G, 45G and 55G towers. Firmly holds a 2" mast 6" away from the side of the tower in a fixed direction. Includes two 2" U-bolts to hold user-supplied mast.

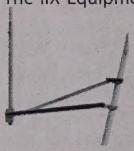
SO5-26 ..... $119

Similar to the S05-6, except stand-off length is 26" from tower.

S05-39 ..... $139

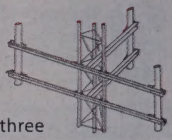
Similar to the SO5-6, except stand-off length is 39" from tower.

SO-4 ..... $169



The IIX Equipment SO-4 is a 40" adjustable standoff bracket designed for use with legs tapered up to 30 degrees.

SO-13 ..... $289

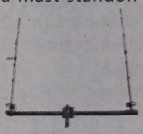


The IIX SO-13 is a multiple antenna standoff. It will hold three large vertical antennas. Mounts directly to Rohn 25G,45G or 55G towers. Constructed of heavy galvanized 1-1/2" angle iron. Standoff length on 25G tower is 40".

SO-12 ..... $249

Similar to the SO-13 described above, except holds two antennas.

MS4 ..... $179



The IIX MS4 is a mast standoff clamp. It will mount on masts up to 3" diameter. Holds two vertical antennas six feet apart. Includes two cross bars and all mounting hardware. (One cross member shown.)

IIX EQUIPMENT

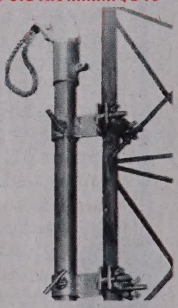
RM-16 ..... $319

The IIX Equipment RM-16 is a rotatable antenna side mount, which is compatible with all popular tower sections. Allows 300 degree antenna rotation. Built-in rotor plate accepts popular Hygain and Yaesu rotators. Constructed of heavy duty galvanized angle iron. Requires customer-supplied 2" O.D. antenna mast.

RM2 $199

The IIX Equipment RM2 is a pole/building mount version of the RM16, shown above. Will mount to the side of a utility pole, building, or chimney.

GP-21X Gin Pole Kit $319

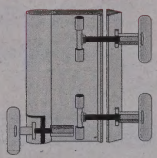


The IIX Equipment GP-21X is a versatile gin pole clamp kit. It consists of two clamps and a pulley assembly. Requires a 2" O.D. 10–12 foot long pole to be supplied by customer or order the GP-UPS two-piece UPS shippable aluminum gin pole below. Works with Rohn BX/HBX/HDBX towers and 20G/25G/45G/55G towers and can even be used mounted on the antenna mast to aid in antenna installation.

GP-21X Clamps Only..... $269

Clamp only, without pulley assembly. Works with Rohn P2545 or similar 2" O.D. gin pole.

GP-81 Gin Pole Kit..... $279



The IIX Equipment GP-81 consists of a single heavy-duty tower clamp and pulley assembly. Requires a 2" O.D. 10–12 foot long pole to be supplied by customer or order the GP-UPS two-piece UPS shippable aluminum gin pole below. Works with Rohn 20G/25G/45G/55G and similar towers, with leg diameter from 1–1.5" outside diameter.

GP-81 Clamp Only..... $229

Clamp only, without pulley assembly. Works with Rohn P2545 or similar 2" O.D. gin pole.

GP-UPS Gin Pole..... $199

The IIX Equipment GP-UPS is a two-piece, UPS shippable gin pole. It's constructed of rugged 1/8" wall extruded 6061-T6 aluminum tubing for strength and light weight.

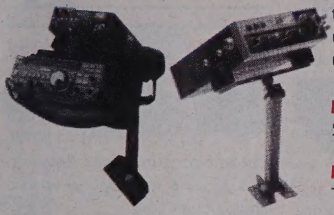
HT1-18 ..... $139

The IIX Equipment HT1-18 is a heavy duty mobile antenna mount, designed to fit any standard 2" or 1-1/4" receiver hitch. It accepts standard 1-1/4" television masting (available at Radio Shack and many home improvement centers), and folds down to ease mast and antenna installation. Stands off 18" from the hitch—ideal for most cars, SUVs and vans.

HT1-24 ..... $149

Similar to the HT1-18 described above, but with an increased 24" stand off. Designed specifically to clear the fold-down tail gate on pickup trucks.

IIX EQUIPMENT



the vehicle. Performance under severe commercial usage is guaranteed.

MM100-1 .....$79
Single radio mount, 7" width.

MM100-7S $159
Two radio mount, 7" width.

SYSTEM 100 MOBILE MOUNTS
The IIX Equipment System 100 mobile mounts will find application in many demanding government and commercial applications, as well as for serious amateur mobile installations. The addition of extra crossbars, 90 degree adapters, and floor braces will allow unusual multiple equipment installations in a large variety of vehicles. All System 100 components interchange to simplify large installations and the heavy steel mount construction requires no maintenance during the service life of

MM100-10S.....$169
Two radio mount, 10" width.

SYSTEM 100 ACCESSORIES

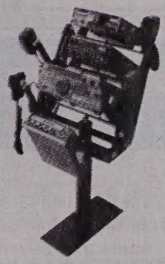
MM100-20S, 20" Mast.....$39
MM100-25S, 25" Mast.....$49

MM10030S, Base $59
Fits all S Mounts.

MM101-07, 7" Crossbar..... $39
MM101-10, 10" Crossbar.... $49
Both crossbars have an integrated microphone holder.

MM101-20, Brace.....$29
Floor brace, 20".

SYSTEM 400 MOBILE MOUNTS
The IIX Equipment System 400 mobile mounts are ideal for large communication applications including police, fire, public utilities, government, military, commercial vehicles, marine, as well as serious amateur radio installations. Perfect for use in RVs, full size vans, mini vans, or any other vehicle with suitable clearance. Two shelves are supplied with each mount which will support four radios. Constructed of heavy duty steel finished in satin black. Supplied with all required hardware for vehicle mounting.



MM400-9 .....$389
Four radio mount, 9" width.

MM400-13.....$409
Four radio mount, 13" width.

MM100-10S.....$169
Two radio mount, 10" width.

SYSTEM 400 ACCESSORIES

PM5, Power Connector.....TBA
The IIX Equipment PM5 is a vehicle power adapter kit for their System 400 mobile mounts. Will connect up to five radios in mount directly to battery. Includes 10 feet of 10 gauge power cable.

KANTRONICS

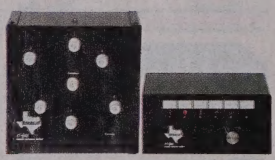
KPC-3+..... $209
The Kantronics KPC-3+ is a pocket-sized terminal node controller (TNC) for packet radio operation. It features dual command sets (a basic 23 command set for beginners, or a 130 command set for more experienced users), 128K battery backed RAM, over 100K mailbox, PBBS with reverse forwarding, header editing, remote sysop access and KA-node, KISS, and HOST modes. To help you get started, Kantronics includes two simple terminal programs for PC and compatibles, a "Getting Started" manual, reference manual, and radio cable kit. The unit can be powered by an optional AC adapter, or from an internal 9-V battery can be used instead. Measures .8" H x 5.2" W x 5.2" D and weighs only 11 ounces.

KPC-9612+..... $399
The Kantronics KPC-9612+ is a dual-speed, dual-port terminal node controller (TNC) for packet radio operation. It is capable of operating 9600 and 1200 baud packet—simultaneously! It features DB-9 and DB-15 radio ports, battery backed real- time clock, dual command set, remote access, remote control, 20K mailbox (128K version offers 100K mailbox), Kantronics PBBS operation with forwarding, KA-node operation, HOST and KISS modes (TCP/IP), WEFAX reception, RS-232 port, battery backed RAM which saves all parameters, and more. The unit can be powered by an optional AC adapter, or an internal 9-V battery can be used instead. Measures .8" H x 6.2" W x 6.1" D; weighs 13 ounces.

K5GW

80–15m.....$129.95
The K5GW 80-15M coax trap dipole is ideal for city lot installations, at only 98 feet long, but offers near full-sized performance and handles legal limit power on 80/75, 40, 20 and 15m. Can be installed as a flat-top dipole or inverted vee. Precision tuned coaxial traps eliminate lumped capacitors and lossy inductors found in other multiband antennas. Top quality center insulator features a replaceable gas discharge transient suppressor. Supplied with top quality end insulators and two twelve foot end support lines. Pre-tuned for 3.82, 7.2, 14.2 and 21.3 MHz.

band coverage	80/75, 40, 20, 15m
typical VSWR	1.5:1
2:1 bandwidth	100 kHz, typical
feed line connector	SO-239
power handling	1500 W
length / weight	98' / 4 pounds



RF-6M..... $199
The K5GW/TexasRF RF-6M is a high power remote coax switch, that delivers reliable performance, even at very high power and SWR levels. Handles up to 7.5 kW ICAS! (Relay box SO-239s should be replaced with "N" connectors at power levels exceeding 3 kW.) Built-in MOVs provide lightning/ surge suppression. Switch box has rotary antenna selector switch with LED position indicators.

frequency range	DC–144 MHz
power handling (DC–30 MHz)	5500 W
power handling (60 MHz)	3000 W
insertion loss	< .1 dB
internal VSWR	< 1.25 :1 through 54 MHz
required control cable	7-conductor
connectors	SO-239
size (switch box)	3" H x 6" W x 3" D
size (relay box)	7" H x 7" W x 3.5" D
weight	4 pounds

KENWOOD

PRICE INCLUDES ALL COUPONS & REBATES

TS-2000 ..... $1609

FREE ups

The Kenwood TS-2000 is an HF/6m/2m/70cm all mode transceiver with a built-in 1200/9600 bps TNC. The radio includes Kenwood's Sky Command II+ system, has an amber LCD display and features an auto antenna tuner, CTCSS tone encode/decode, CW memory keyer, dual RX, dual DSP, 300 memories, and more. Supplied with an up/down hand mic, and a fused DC power cord.

main RX coverage	.3–30, 50–60,142–152, 420–450 MHz
sub RX coverage	118–174, 220–512 MHz
sensitivity	< .2 µV
selectivity	12, 8, 6, 2.2 kHz
frequency stability	±.5 PPM
RF output (70cm)	100 W (50 W)
input voltage	13.8 vDC, 20.5 A
dimensions	3.8" H x 10.6" W x 12.5" D
weight	17.2 pounds

PRICE INCLUDES ALL COUPONS & REBATES

TS-2000X $2039

FREE ups

Identical to the TS-2000, except with all mode 23cm coverage from 1240–1300 MHz.

TS-2000 ACCESSORIES

ARCP-2000, Software $79
Windows™ radio control software.

DRU-3A, Digital Module $129
Digital recording module offers 60 seconds of record time.

MB-430, Mobile Bracket $55

MC-57DM, DTMF Hand Mic $79

MC-60A, Desk Mic $149

RC-2000, Controller $339
Mobile controller, supplied with mobile speaker, mounting bracket, DC power cord, mic extension cable, and separation cable.

SP-23, External Speaker $89

VS-3, Voice Synthesizer $45

PRICE INCLUDES ALL COUPONS & REBATES

TS-480HX $1099

FREE ups

The Kenwood TS-480-HX is a 200 W HF/6m all mode transceiver. The radio has a separate control panel, and features built-in PC interface, CTCSS tone encode/decode/scan, DSP (automatic noise reduction, TX/RX equalizer, and slope tune AF filters), 100 memories, and more. Supplied with an up/down hand microphone, 4m separation cable, and two fused DC power cords.

RX coverage	.5–30, 50–54 MHz
sensitivity	< .2 µV, typical
selectivity	12, 5, 2.4 kHz
frequency stability	±5 PPM
RF output (6m)	200 W (100 W)
input voltage	13.8 VDC, 41 A
dimensions	2.8" H x 7" W x 10.9" D
weight	8.2 pounds

PRICE INCLUDES ALL COUPONS & REBATES

TS-480SAT $939

FREE ups

Identical to the TS-480-HX, except that it includes a built-in auto tuner, has only 100 W, (current consumptions drops to 21.5 A), and is supplied with a single power cord.

TS-480HX/SAT ACCESSORIES

MB-480, Mobile Bracket $54

MC-60A, Desk Mic $149
Requires MJ-88 adapter.

MJ-88, Mic Adapter $35

PG-4Z, Separation Kit $59

SO-3, TCXO $119
Increases stability to .5 PPM.

SP-23, External Speaker $89

VS-3, Voice Synthesizer $45

YF-107C, 500 Hz CW Filter $129

YF-107CN, 250 Hz CW Filter $129

YF-107SN, 1.8 kHz SSB Filter $129

KENWOOD

PRICE INCLUDES ALL COUPONS & REBATES

TS-570DG $899

FREE ups

The Kenwood TS-570DG is an all mode HF transceiver. It has an amber LCD display and features an auto antenna tuner, CW keyer, built-in PC interface, CTCSS tone encode, DSP (interference reduction, TX audio shaping, slope tuning, bandpass filtering), 100 memory channels, multiple scan modes, VOX, and more. Supplied with an up/down hand mic, and fused DC power cord.

RX coverage	500 kHz–30 MHz
sensitivity	< .2 µV
selectivity	25, 20, 12, 4, 2.2 kHz
frequency stability	±10 PPM
RF output	100 W
input voltage	13.8 vDC, 20.5 A
dimensions	3.8" H x 10.6" W x 10.7" D
weight	15 pounds

PRICE INCLUDES ALL COUPONS & REBATES

TS-570SG $1049

FREE ups

Identical to the TS-570DG, except with all mode 6m coverage from 50–54 MHz.

TS-570DG/SG ACCESSORIES

DRU-3A, Digital Module $129
Digital recording module offers 60 seconds of recording time, organized in three banks.

MB-430, Mobile Bracket $55

MC-60A, Desk Mic $149

PG-2Z, DC Power Cord $39

SP-23, External Speaker $89

SO-2, TCXO $179
Increases stability to ±.5 PPM.

VS-3, Voice Synthesizer $45

YK-88C-1, 500 Hz CW Filter $129

YK-88CN-1, 270 Hz CW Filter $129

YK-88SN-1, 1.8 kHz SSB Filter $129
Only one filter can be installed.

PRICE INCLUDES ALL COUPONS & REBATES

TM-D700A $479

FREE ups

The Kenwood TM-D700A is a 2m/70cm dual band mobile transceiver with a built-in 1200/9600 bps TNC for Packet, APRS® and Sky Command II+ operation. It has a separate control head with a reversible amber dot matrix LCD display, and features extended RX, AM RX, dual RX, dual in-band RX, CTCSS tone and DCS encode/decode/scan, 200 alphanumeric memory channels, 10 DTMF memories, band scope display, cross band repeat, fixed band repeat, multiple scan modes, and more. Supplied with a mounting bracket with hardware, separation cable, backlit up/down DTMF hand mic, and a fused DC power cord.

main RX coverage	118–470 MHz
sub RX coverage	136–175, 300–524, 800–1300 MHz
sensitivity	<.15 µV
output power (2m/70cm)	50 / 35 W
input voltage	13.8 vDC, 15 A
dimensions	2" H x 6" W x 6" D
weight	2.2 pounds

TM-D700A ACCESSORIES

MC-60A, Desk Mic $149
Requires MJ-88 adapter.

MJ-88, Mic Adapter $35

PG-2N, DC Power Cord $19

PG-4X, 7m Separation Kit $69
Kit includes radio separation cable, microphone extension cable, speaker extension cable, and a fused DC power cable.

PG-5A, Data Cable $19

SP-50B, Mobile Speaker $59

VS-3, Voice Synthesizer $45

KENWOOD

TM-V71A $399

FREE ups

The Kenwood TM-V71A is a 2m/70cm dual band mobile transceiver. The radio has a color switchable (green or amber) LCD display with the unique capability of mounting the speaker on the top or the bottom of the radio (simply flip the body of the rig over). Other features include cross-band repeat, CTCSS tone encode & decode, dual receive, dual in-band receive (VHF/VHF or UHF/UHF), built-in EchoLink sound card interface, ten dedicated EchoLink memory channels, 1000 PC programmable memory channels, weather alert mode, multiple scanning modes, and more. The radio is supplied with a hand microphone with up and down frequency controls and a fused DC power cord.

main RX coverage	118-470 MHz
sub RX coverage	136–175, 300–524, 800–1300 MHz
sensitivity	<.16 µV
output power	50 Watts
input voltage	13.8 vDC, 11.5 A
size	1.6" H x 5.5" W x 7.7" D
weight	3 pounds

TM-V71A ACCESSORIES

MC-60A, Desk Mic $149
Requires MJ-88 adapter.

MJ-88, Mic Adapter $35

PG-2N, DC Power Cord $19

DFK-3D, 3m Separation Kit $45
Separation kit includes radio separation cable, microphone extension cable, speaker extension cable.

PG-5G, Programming Kit $39

PG-5H, PC Interface Kit $69

SP-50B, Mobile Speaker $59

VGS-1, Voice Module $65

TM-V708A $379

FREE ups

The Kenwood TM-V708A is a 2m/70cm dual band mobile transceiver. It has a separate front control panel with a large, reversible amber dot matrix LCD display, and features dual receive, dual in-band receive, cross band repeat, CTCSS tone encode/decode/scan, dedicated data jack (6 pin mini DIN), DCS encode/decode/scan, 200 alphanumeric memory channels, 10 DTMF memory channels (16 digit), remote radio control via DTMF, multiple scanning modes, and more. The radio is supplied with a radio mounting bracket, control panel mounting bracket, 3m separation cable, illuminated multifunction DTMF hand microphone with up and down frequency controls, and a fused DC power cord.

main RX coverage	118-470 MHz
sub RX coverage	136–175, 300–524, 800–1300 MHz
sensitivity	<.16 µV
output power (2m/70cm)	50 / 35 W
input voltage	13.8 vDC, 11.5 A
size	1.6" H x 5.5" W x 7.7" D
weight	3 pounds

TM-V708A ACCESSORIES

MC-60A, Desk Mic $149
Requires MJ-88 adapter.

MJ-88, Mic Adapter $35

PG-2N, DC Power Cord $19

PG-4X, 7m Separation Kit $69
Separation kit includes radio separation cable, microphone extension cable, speaker extension cable, and a fused DC power cord.

PG-5A, Data Cable $19

SP-50B, Mobile Speaker $59

VS-3, Voice Synthesizer $45

KENWOOD

TM-271AK $159

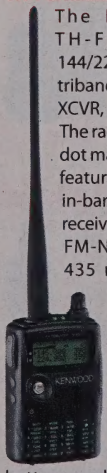
FREE ups

The Kenwood TM-271AK is a compact 2m FM mobile transceiver, built to US MIL-STD 810 C/D/E/F. The radio has a green LCD display and features a front-mounted speaker, automatic repeater shift, 200 memory channels, extended receive, multiple scanning modes, CTCSS & DCS tone encode/decode, weather alert mode, and more. The radio is supplied with a DC power cord, backlit DTMF hand mic with up and down frequency controls, and a mounting bracket with hardware.

RX coverage	136–174 MHz
sensitivity	<.18 µV
RF output	60 W
input voltage	13.8 vDC, 13 A
dimensions	1.7" H x 6.3" W x 5.4" D
weight	2.6 pounds

TH-F6A $319

FREE ups



The Kenwood TH-F6A is a 144/220/440 MHz triband handheld XCVR, built to MIL-STD 810. The radio has a large backlit dot matrix LCD display, and features dual receive, dual in-band receive, wide band receive (AM/CW/FM/FM-W/FM-N/LSB/USB modes), 435 memory channels, CTCSS and DCS tone encode/decode, backlit DTMF keypad, multiple scanning modes, and more. The radio is supplied with a rechargeable Li-Ion battery pack, wall charger, belt clip, and a rubber duck antenna.

RX coverage	100 kHz–1300 MHz
sensitivity	<.18 µV
RF output / connector	5 W / SMA-F
supplied battery	7.4 vDC Li-Ion, 1550 mAh
dimensions	3.4" H x 2.2" W x 1.9" D
weight	9 ounces

KENWOOD HT ACCESSORIES

EMC-3, Earpiece Mic $29

HMC-3, VOX/PTT Headset $55

PG-2W, DC Power Cord $19

PG-3J, Auto Lighter Cord $39

SMC-32, Speaker Mic $55

SMC-33, Speaker Mic $65

SMC-34, Speaker Mic $39
With programmable remote buttons and volume control.

TH-F6A:

BT-13, Alkaline Case $25

PB-42L, Li-Ion Battery Pack $85

PG-4Y, 9-Pin Prog. Cable $35

SC-51, Soft Case $16

TH-D7AG:

BC-19, Rapid Desk Charger $65

BT-11, Alkaline Case $17

PB-39, Ni-Cad Battery Pack $59

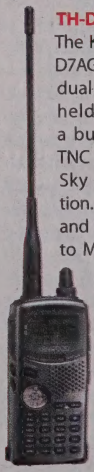
PG-4W, Programming Kit $55

SC-47B, Soft Case $19

PRICE INCLUDES ALL COUPONS & REBATES

TH-D7AG $329

FREE ups



The Kenwood TH-D7AG is a 2m/70cm dual band handheld XCVR with a built-in 1200/9600 bps TNC for Packet, APRS® and Sky Command II+ operation. It has a back-lit keypad and LCD display and is built to MIL-radio features dual RX, dual in-band RX, voice+data receive on VHF, 200 memory channels, CTCSS tone encode/decode, and more. Supplied with a rechargeable battery pack, wall charger, belt clip, wrist strap, and a rubber duck antenna.

RX coverage	118–174, 400–470 MHz
sensitivity	.18 µv
RF output / connector	5 W / SMA-F
supplied battery	9.6 VDC Ni-Cad, 600 mAh
dimensions	4.4" H x 2.2" W x 1.3" D
weight	12 ounces

LAKEVIEW

HAMSTICKS

9106, 6m.....$31.95
9110, 10m.....$31.95
9112, 12m.....$31.95
9115, 15m.....$31.95
9117, 17m.....$31.95
9120, 20m.....$31.95
9130, 30m.....$31.95
9140, 40m.....$31.95
9175, 75m.....$33.95

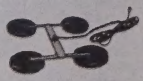
Lakeview HamSticks are rugged, monoband mobile antennas. These two-piece antennas consist of a hollow fiberglass base section approximately 1/2" in diameter with a loading coil wound directly on the fiberglass and covered with PVC shrink tubing. The black oxide coated brass base has standard 3/8" x 24 male threads. The top section is a tapered black stainless steel whip that telescopes into the base section for frequency adjustment, and is secured by two set screws. All models measure approximately 7 feet in length, and handle 600 Watts.

approximate length	7 feet
power handling	600 watts
typical VSWR	2:1 or less
mount	3/8" x 24 male thread

LAKEVIEW HAMSTICKS		
MODEL	BAND	BANDWIDTH
9106	6m	2 MHz
9110	10m	1 MHz
9112	12m	entire band
9115	15m	350 kHz
9117	17m	entire band
9120	20m	175 kHz
9130	30m	entire band
9140	40m	60 kHz
9175	75m	10 kHz

IM-1, Inductamatch ...$29.95
An inexpensive and easy way to match HamSticks. Easier to use and less expensive than capacitance matches. Designed to be base mounted. Usually not required for 10m or for 6m.

376.....$79.95
377.....$99.95
Heavy duty mag mounts are great for use with HF mobile antennas. The 376 is rated at 825 pounds, the 377 is rated at 1000 pounds. Both have 3/8" x 24 thread mounts, and come with 15 feet of coax with a PL-259 installed.



375.....$54.95
375NMO.....$69.95
These triple magnet mounts are designed to hold the HamStick antennas, but will work with others as well. The 375 has a 3/8" x 24 mount, the 375NMO has an NMO type mount. Both are rated for over 400 pounds of pull, and come with 15' of coax with a PL-259 connector installed.

901.....$24.95
The Lakeview 901 is a HamStick dipole kit. Used with two HamSticks, it makes a 14' dipole. Excellent for use indoors or on balconies, in restricted areas, or for portable or field day operation.

276.....$16.95
The Lakeview 276 is a versatile mirror or luggage rack mount constructed of 3/16" aluminum stock. Provides an 3/8" x 24 thread socket and an SO-239 connector, so it will accept a coax assembly with a standard PL-259 connector.

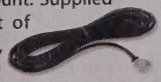
9007, 2m Colinear.....$32.95
The Lakeview 9007 is a 2m colinear mobile antenna. The antenna measures approximately 7 feet long, is rated for 1000 Watts, and offers 4.5 dB gain. Construction is identical to the HamSticks. Quick disconnect not recommended.

LARSEN

KG-2/70CXPL.....$134.95
KG-REINSTALL.....$9.95
The Larsen KG-2/70CXPL is a 1/2 wave, on-glass VHF/UHF dual band mobile antenna. The antenna is black, with a low profile design and comes factory tuned for quick and easy installation. It provides 2.4 dB gain when mounted near a ground plane. Supplied with 14 feet of RG-58/U coax with UG-175 reducer and PL-259 connector. The KG-REINSTALL kit is required to reinstall the antenna—consists of two adhesive pads (one for the antenna and another for the pickup coil), glass cleaner, adhesion promoter and two Allen wrenches.

coverage	144–148 & 440–460 MHz
height	33"
electric length	1/2 wave
gain	2.4 dBd (ground plane required)
power handling	100 Watts
typical VSWR	1.5:1 or less

NMOK.....$19.95
The Larsen NMOK is a 3/4" NMO type hole mount. Supplied with 17 feet of coax, a reducer, and a PL-259 connector.



NMOMM.....$36.95
The Larsen NMOMM is a rectangular magnet mount with Teflon liner to protect paint. Measures 3-1/2" x 3", rated for 90 pounds of pull. Supplied with 12' of RG-58/U coax, with a crimped PL-259.

NMOMMR.....$34.95
The Larsen NMOMMR is a round magnet mount with Teflon liner to protect paint. Measures 3-1/2" in diameter, rated for 90 pounds of pull. Supplied with 12' of RG-58/U coax with a crimped PL-259 connector.

NMO2/70CO.....$42.95
The Larsen NMO2/70CO is a 2m/70cm dual band coil for NMO mounts. Black in color, it measures 3" high, and handles 100 Watts. Use with W2/70 whip.

NMO150BCO.....$25.25
The Larsen NMO150BCO is a 2m coil for NMO mounts. Black in color, it measures 2-1/2" high, and handles 200 Watts. Use with W490(B) whip.

NMOQC.....$19.95
The Larsen NMOQC is a quarter wave whip for NMO mounts. It's used without a coil, and can be tuned to cover 136–512 MHz by cutting the stainless steel whip per the included cutting chart. Measures 21" at maximum length.

POK.....$29.95
The Larsen POK is an SO-239 type 3/4" hole mount. Supplied with 17' of RG-58-A/U coax, UG-175 reducer and PL-259 connector.

PQ.....$22.95
The Larsen PQ is a quarter wave whip for PO type mounts. Maximum length is 21", cut to length to cover 136–512 MHz.

TMB34.....$6.95
Right angle bracket for use with NMOK and POK hole mounts.

W154.....$19.95
Colinear whip for 70cm, 15.4".

W2/70.....$24.95
Dual band 2m/70cm whip, 34".

W490.....$11.95
W490B (black).....$14.95
Stainless 49" whip, 5/8 wave on 2m, 1/4 wave on 6m.

LDG ELECTRONICS

AT-1000 ..... $499

The LDG AT-1000 is a high power automatic antenna tuner with a huge tuning range of 6—800 Ohms. It works with any radio and any antenna with an unbalanced feed. The optional RBA balun allows tuning of balanced line antennas as well. The tuner's cross needle meter reads forward and reflected power, as well as SWR, all at the same time. All required interface cables are now included!

frequency coverage	1.8–54 MHz
circuit type	switched L network
power handling (SSB)	1000 Watts
power handling (CW)	750 Watts
power handling (digital)	500 Watts
impedance tuning range	6–800 Ohms
tuning time	1–8 seconds, 4 sec. avg.
voltage requirement	11–15 vDC, 1 A
antenna connectors	SO-239
dimensions	3" H x 9" W x 13" D
weight	6 pounds

AT-200PRO $229

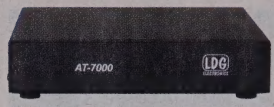
The LDG AT-200PRO is a 200 Watt automatic antenna tuner. It features a two position coax switch, dual LED bar graph to display power and SWR, and latching relays to reduce power consumption. Works with any radio and any unbalanced antenna (the optional RBA balun allows tuning balanced line antennas). All required interface cables are now included!

frequency range	1.8—54 MHz
circuit type	switched L network
power handling, 1.8–30 MHz	5–250 Watts
power handling, 50–54 MHz	100 Watts
tuning range, 1.8–30 MHz	6—1000 Ohms
tuning range, 50–54 MHz	16–150 Ohms
tuning time	5–6 seconds
input voltage	11—16 vDC, 750 mA
antenna connectors	SO-239
dimensions	2" H x 6" W x 8.5" D
weight	1 pound

AT-100PRO $199

The LDG AT-100PRO is a 125 Watt automatic antenna tuner. It features a two position coax switch, dual LED bar graph to display power and SWR, and latching relays to reduce power consumption. Works with any radio and any unbalanced antennas (the optional RBA balun allows tuning balanced line antennas). All required interface cables are now included!

frequency range	1.8—54 MHz
circuit type	switched "L" network
power handling, 1.8–30 MHz	125 Watts
power handling, 50–54 MHz	125 Watts
tuning range, 1.8–30 MHz	6—1000 Ohms
tuning range, 50–54 MHz	16–150 Ohms
tuning time	5–6 seconds
input voltage	11—16 vDC, 500 mA
antenna connectors	SO-239
size	2" H x 5.5" W x 7.5" D
weight	1.5 pounds



AT-897 ..... $179
AT-7000 ..... $159

These LDG automatic antenna tuners are designed for the Yaesu FT-897D and Icom IC-7000. Both have a wide tuning range of 6—800 Ohms and are powered directly from the radio. Latching relays reduce power consumption. All required interface cables are supplied for quick installation.

frequency coverage	1.8–54 MHz
circuit type	switched L network
power handling (6m)	.1–125 W (100 W)
tuning range, 1.8–30 MHz	6–800 Ohms
tuning range, 50–54 MHz	16–150 Ohms
tuning time	.1–7 seconds, 4 sec. average
voltage requirement	8–16 vDC, 300 mA
antenna connectors	SO-239
size (AT-897)	1.5" H x 3.3" W x 11.5" D, 2 lbs.
size (AT-7000)	1.3" H x 6.5" W x 6.5" D, 1.5 lbs.

LDG ELECTRONICS

Z-100 ..... $139

The LDG Z-100 is a low cost, 100 Watt automatic antenna tuner. It features 200 tuning memory channels for almost instant tuning, and latching relays to reduce power consumption. Works with any radio and any unbalanced antenna (the optional RBA balun allows tuning of balanced line antennas). All required interface cables are now included!

frequency coverage	1.8–54 MHz
circuit type	switched L network
power handling (6m)	125 W (50 W)
tuning range, 1.8–30 MHz	6–800 Ohms
tuning range, 50–54 MHz	16–150 Ohms
tuning time	.1–5 seconds, 3 sec. avg.
voltage requirement	11–14 vDC, 250 mA
antenna connectors	SO-239
dimensions	1.5" H x 5.5" W x 5.3" D
weight	1 pound

Z-11PRO $169

The LDG Z-11PRO is a compact, 125 Watt automatic antenna tuner for portable operation. It can be powered from an internal battery, and uses latching relays to reduce power consumption. Works with any radio and any unbalanced antenna (the optional RBA balun allows tuning of balanced line antennas). All required interface cables are now included!

frequency coverage	1.8–54 MHz
circuit type	switched L network
power handling (6m)	.1–125 W (100 W)
tuning range, 1.8–30 MHz	6–1000 Ohms
tuning range, 50–54 MHz	16–150 Ohms
tuning time	.1–6 seconds, 3 sec. avg.
voltage requirement	8–16 vDC, 300 mA
antenna connectors	SO-239
dimensions	1.5" H x 5" W x 7" D
weight	1.5 pounds

TW-1 ..... $139

The LDG TW-1 is a talking SWR/Wattmeter. At the touch of a button, a digitally recorded voice provides aural indication of power and SWR through its internal speaker. Continuous tone mode provides variable based on power output.

frequency coverage	1.8–54 MHz
power handling	2000 W PEP
connectors	SO-239
accuracy	±5%
resolution	1 W or 1% of reading
voltage requirement	11–15 vDC, 200 mA
size	4.5" W x 3" H x 5" D, 1 pound

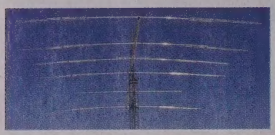
RBA1-1 ..... $30
RBA4-1 ..... $30

Rugged external baluns. Allow LDG tuners to match balanced line antennas.

FT METER $49

The LDG FT-Meter is a low-cost solution to all your FT-857(D) and FT-897(D) metering needs, that plugs right into the little-known meter jack on the bottom of either of these two radios. It provides a crisp, highly readable 2.5" meter face with calibrated scales for signal strength and discriminator reading on receive, and power output, SWR, modulation, ALC action and supply voltage on transmit. Each function is selectable from the radio's menu. Easily visible from anywhere on your desk or dash, the FT-Meter is illuminated by any external 12 vDC source.

RX functions	s-meter, discriminator, voltage
TX functions	ALC, mod., power, SWR, voltage
cable length	2.5 feet
backlight voltage	12 vDC, 100 mA
dimensions	3" H x 3.5" W x 2" D
weight	8 ounces

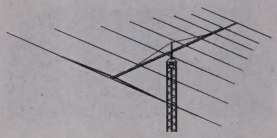


KT36XA $1299

The M2 KT36XA is a computer optimized, triband beam antenna for 10, 15 and 20m. Five elements are active on 15 and 20m, and all six are active on 10m. A dual driven element creates a flat match and broad gain. Features M2's new machined shorting bars, rugged center element mounts and stainless hardware. Supplied with an efficient 3 kW balun.

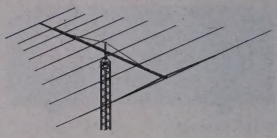
KT34M2 ..... $1239

The M2 KT34M2 is a short boom triband beam antenna for 10, 15 and 20m operation, offering broad gain, high front to back ratio, and flat match. The antenna was designed for long term mechanical and electrical integrity, using M2's newly designed machined shorting bars and stainless hardware. Supplied with an efficient 4:1 balun, rated to 3000 Watts.



10-30LP8..... $1499

The M2 10-30LP8 is a rugged, high performance, eight element log periodic antenna continuously covering 10–30 MHz. It's designed for years of trouble free service, with machined element to boom clamps, solid fiberglass rod center insulators, stainless steel hardware and a 100 MPH wind rating. Supplied with a broadband, 3000 W rated, 4:1 ferrite balun.



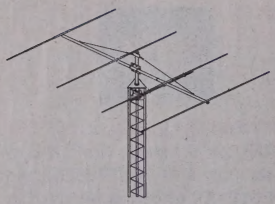
7&10-30LP8 ..... $1649

The 7&10-30LP8 is a high performance, eight element "skip frequency" hybrid log periodic antenna continuously covering 10–30 MHz, plus 7 MHz. Covers seven amateur HF bands! Features stainless steel hardware, machined aluminum element to boom insulators, and solid fiberglass center insulators. Supplied with a broadband, 3000 W, 4:1 ferrite balun.

M2 HF MULTIBAND BEAM ANTENNAS

ANTENNA MODEL	FREQUENCY COVERAGE	ELEMENTS	TYPICAL GAIN	TYPICAL F-B RATIO	BEAMWIDTH	TYP. VSWR	POWER HANDLING	BOOM LENGTH	TURN RADIUS	WIND SURVIVAL	WIND AREA	WEIGHT (LBS.)	UNIT PRICE
KT34M2	14, 21, 28 MHz	4	4.5/4.8/5.3 dBd	21/22/22 dB	N/A	1.3:1	3000 W	16'	15'	100 MPH	4.5 sq. ft.	34 (UPS)	$1239
KT36XA	14, 21, 28 MHz	6	7.1/7.3/8.1 dBd	22/22/27 dB	N/A	1.3:1	3000 W	32'	21'6"	100 MPH	9.8 sq. ft.	76 (UPS)	$1299
6-10LP5	6–10 MHz	5	5 dBd	15 dB	E=70°	1.5:1	3000 W	30'	32'	100 MPH	13 sq. ft.	86 (TRUCK)	$1669
7 & 10-30LP8	7, 10–30 MHz	8	6/3 dBd	7/15 dB	E=65°	1.5:1	3000 W	30'	28'	100 MPH	15 sq. ft.	110 (TRUCK).	$1649
10-30LP8	10–30 MHz	8	6 dBd	15 dB	E=65°	1.8:1	3000 W	29'	26'6"	100 MPH	15 sq. ft.	86 (TRUCK)	$1499
17-30LP7DX	17–30 MHz	7	6.5 dBd	20 dB	E=65°	1.4:1	1500 W	23'8"	19'	100 MPH	7 sq. ft.	48 (UPS)	$1039

M2



10M4DX..... $499

The M2 10M4DX is a high performance 10m beam antenna optimized for performance on both CW and phone. Great for stacking. Designed for mechanical and electrical longevity. Includes 5 kW balun.

15M4DX..... $589

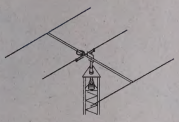
The M2 15M4DX is a high performance 15m beam antenna optimized for performance on both CW and phone. Great for stacking. Designed for mechanical and electrical longevity. Includes 5 kW balun.

20M4DX..... $659

The M2 20M4DX is a high performance 20m beam antenna optimized for performance on both CW and phone. Great for stacking. Designed for mechanical and electrical longevity. Includes 5 kW balun.

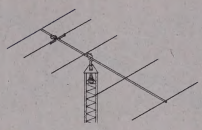
M2 HF MONOBAND BEAM ANTENNAS

ANTENNA MODEL	FREQUENCY COVERAGE (MHz)	ELEMENTS	GAIN (DBD)	F-B RATIO	BEAMWIDTH	TYP. VSWR	POWER HANDLING	BOOM LENGTH	TURN RADIUS	WIND SURV.	WIND AREA	WEIGHT (LBS.)	UNIT PRICE
10M4DX	28.0–29.0	4	8.7	25 dB	E=53°	1.4:1	2500 W	23'	14'	100 MPH	3.7 sq. ft.	23 (UPS)	$499
10M7	28.0–28.75	7	10.3	25 dB	E=46°	1.4:1	2500 W	45'	26'	90 MPH	7.4 sq. ft.	49 (TRUCK)	$899
12M4DX	24.89–24.99	4	8.6	20 dB	E=48°	1.2:1	2500 W	27'	16'8"	100 MPH	4.4 sq. ft.	28 (UPS)	$499
15M4DX	21.0–21.45	4	8.5	25 dB	E=53°	1.2:1	2500 W	33'8"	21'	100 MPH	6.1 sq. ft.	32 (UPS)	$589
15M6	21.0–21.45	6	9.4	25 dB	E=48°	1.2:1	3500 W	44'10"	27'	100 MPH	8.5 sq. ft.	50 (TRUCK)	$899
17M3DX	18.0–18.3	3	6.3	25 dB	E=60°	1.2:1	3000 W	18'	16'6"	100 MPH	4 sq. ft.	30 (UPS)	$499
17M5DX	18.08–18.18	5	8.6	24 dB	E=48°	1.2:1	1500 W	36'	24'5"	100 MPH	7.3 sq. ft.	38 (UPS)	$659
20M4DX	14.0–14.35	4	7.4	24 dB	E=50°	1.2:1	5000 W	34'	25'	85 MPH	6.9 sq. ft.	35 (UPS)	$659
20M5	14.0–14.35	5	8.1–8.5	24 dB	E=50°	1:1	5000 W	44'	30'	100 MPH	10.5 sq. ft.	105 (TRUCK)	$1129
20M6A	14.0–14.35 (FULL BAND)	6	9	25 dB	E=46°	1.2:1	5000 W	60'	40'	100 MPH	14.8 sq. ft.	150 (TRUCK)	$1529
40M1LDX	6.9–10.0	1	NA	0 dB	E=70°	1.2:1	3000 W	NA	23'	100 MPH	3 sq. ft.	55 (UPS)	$559
40M2L	7.0–7.3 (x125 kHz)	2	4.2	12 dB	E=85°	1.2:1	5000 W	20'	25'	100 MPH	6.5 sq. ft.	55 (TRUCK)	$869
40M3L	7.0–7.3 (x200 kHz)	3	5.6	20 dB	E=62°	1.2"1	3000 W	30'	28'	100 MPH	9.5 sq. ft.	90 (TRUCK)	$1219
40M4LLDD	7.0-7.3	4	6.2	22 dB	E=60°	1.2:1	3000 W	42'	32'	100 MPH	13 sq. ft.	115 (TRUCK)	$1749
80M1LLA	3.5–3.575 & 3.75–3.85	1	-.02	0 dB	E=75°	1.2:1	3000 W	NA	47'	100 MPH	8 sq. ft.	85 (TRUCK)	$1349
80M2LLA	3.5–3.575 & 3.75–3.85	2	4	12 dB	E=66°	1.2:1	3000 W	30'	46'	100 MPH	19 sq. ft.	200 (TRUCK)	$3599
80M3LLA	3.5–3.575 & 3.75–3.825	3	5.4	20 dB	E=65°	1.2:1	5000 W	58'	52'	100 MPH	30.5 sq. ft.	350 (TRUCK)	$4699



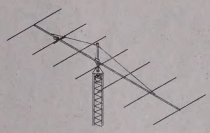
6M3.....$159

The M2 6M3 is a light but rugged, computer optimized, 6m beam antenna offering low wind load and great performance for its size. Quick and easy to assemble, it's great for portable operation. The antenna features all stainless steel hardware (except U-bolts), and M2's weatherproof, gel-filled and O-ring sealed T-match for long mechanical and electrical life.



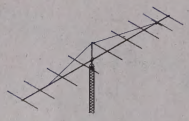
6M5X $259

The M2 6M5X is a medium sized, computer optimized, 6m beam antenna offering great performance and low wind load for its size. Quick and easy to assemble, it's great for portable operation. The antenna features all stainless steel hardware (except U-bolts), and M2's weatherproof, gel-filled and O-ring sealed T-match for long mechanical and electrical life.



6M7JHV $319

The M2 6M7JHV is a medium sized, computer optimized, 6m beam antenna offering excellent gain and very clean pattern, making it ideal for long haul terrestrial and EME communications. The antenna features all stainless steel hardware (except U-bolts), and M2's weatherproof, gel-filled and O-ring sealed T-match for long mechanical and electrical life.



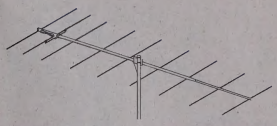
6M9KHW.....$589

The M2 6M9KHW is a long-boom, computer optimized, 6m beam antenna offering excellent gain and very clean pattern, making it ideal for long haul terrestrial and EME communications. The antenna features all stainless steel hardware (except U-bolts), and M2's weatherproof, gel-filled and O-ring sealed T-match for long mechanical and electrical life.

M2 HF MONOBAND BEAM ANTENNAS

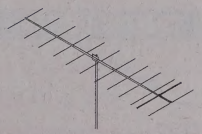
ANTENNA MODEL	FREQUENCY COVERAGE	ELEMENTS	GAIN (DBD)	F-B RATIO	BEAM-WIDTH	TYP. VSWR	POWER HANDLING	COAX CONN.	BOOM LENGTH	TURN RADIUS	WIND SURVIVAL	WIND AREA	WEIGHT (LBS.)	UNIT PRICE
6M3	50–50.6 or 51–54 MHz	3	6.4	20 dB	E=65°	1.2:1	1500 W	SO-239	6'9"	12'1"	100 MPH	1.2 sq. ft.	6 (UPS)	$159
6M5X	50–50.5 or 51–54 MHz	5	9.4	21 dB	E=42°	1.2:1	1500 W	SO-239	18'	11'6"	100 MPH	2.2 sq. ft.	9 (UPS)	$259
6M7	49.5–50.5 MHz	7	10.5	23 dB	E=42°	1.2:1	1500 W	"N" female	26'9"	17'9"	100 MPH	3 sq. ft.	17 (UPS)	$359
6M7JHV	50–50.4 MHz	7	10.9	25 dB	E=40°	1.2:1	1500 W	"N" female	30'8"	19'3"	85 MPH	2.5 sq. ft.	17 (UPS)	$319
6M9KHW	50–50.4 MHz	9	12.7	23 dB	E=34°	1.2:1	1500 W	"N" female	49'4"	27'7"	100 MPH	5.9 sq. ft.	35 (UPS)	$589
6M2WLC	50–50.4 MHz	11	11.9	25 dB	E=36°	1.2:1	1500 W	"N" female	39'6"	22'11"	100 MPH	5 sq. ft.	31 (TRUCK)	$549
6M11JKV	49.9–50.5 MHz	11	14	21 dB	E=28°	1.2:1	3500 W	"N" female	69'	36'5"	100 MPH	10.7 sq. ft.	83 (TRUCK)	$1029

M2



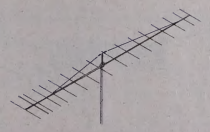
2M9SSBFM $149

The M2 2M9SSBFM is a short-boom, computer optimized beam antenna for 2m operation. It can be tuned for the SSB or FM portion of the band. Features all stainless steel hardware (except U-bolts), and M2's unique, weatherproof, gel-filled and O-ring sealed driven element module, offering years of trouble free service in all weather conditions.



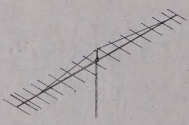
2M12 ..... $209

The M2 2M12 is a computer optimized beam antenna for 2m operation. The antenna is designed for maximum gain and clean pattern, making the antenna a great choice for stacking. Features all stainless hardware (except U-bolts), and M2's weatherproof, gel-filled and O-ring sealed driven element module, offering years of trouble free service.



2M5WL..... $249

The M2 2M5WL is a long-boom, computer optimized beam antenna for 2m operation. Designed with the serious weak signal operator in mind, it provides excellent gain with minimum weight and wind load, yet will survive 100 MPH winds. Features all stainless hardware (except U-bolts), and M2's weatherproof driven element module for long life.

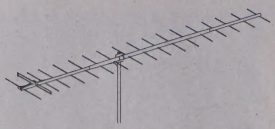


2M18XXX $299

The M2 2M18XXX is a long-boom, computer optimized beam antenna for 2m operation. The antenna has been widely used for EME and other weak signal applications in 24 or more antenna arrays. Features all stainless hardware (except U-bolts), and M2's weatherproof, gel-filled and O-ring sealed driven element module, offering years of trouble free service.

M2 HF MONOBAND BEAM ANTENNAS

ANTENNA MODEL	FREQUENCY COVERAGE	ELEMENTS	GAIN (DBD)	F-B RATIO	BEAM-WIDTH	TYP. VSWR	POWER HANDLING	COAX CONN.	BOOM LENGTH	TURNING RADIUS	WIND SURVIVAL	WIND AREA	WEIGHT (LBS.)	UNIT PRICE
2M4	144–148 MHz	4	7.5	20 dB	E=54°	1.2:1	1500 W	"N" female	4'	4'	100 MPH	.5 sq. ft.	3 (UPS)	$119
2M7	144–148 MHz	7	10.3	20 dB	E=46°	1.3:1	1500 W	"N" female	8'10"	5'7"	100 MPH	.8 sq. ft.	4 (UPS)	$129
2M9SSBFM	144–146/145–148 MHz	9	12	24 dB	E=35°	1.4:1	1500 W	"N" female	14'6"	8'	100 MPH	1.2 sq. ft.	6 (UPS)	$149
2M12	144–148 MHz	12	12.8	25 dB	E=32°	1.2:1	1500 W	"N" female	19'6"	10'4"	100 MPH	1.5 sq. ft.	8 (UPS)	$209
2M5WL	144–148 MHz	17	14.7	22 dB	E=26°	1.2:1	1500 W	"N" female	33'	18'9"	100 MPH	2.7 sq. ft.	13 (UPS)	$249
2M18XXX	144–146 MHz	18	15	26 dB	E=26°	1.2:1	1500 W	"N" female	36'3"	18'5"	100 MPH	2.9 sq. ft.	14 (UPS)	$299
2M8WLHD	144–145 MHz	21	17	24 dB	E=20°	1.2:1	2500 W	"N" female	55'	29'	100 MPH	5.5 sq. ft.	35 (UPS)	$649

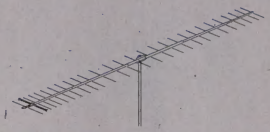


440-18 ..... $159

The M2 440-18 is a 70cm beam antenna, computer optimized for excellent pattern and good gain across its entire bandwidth. It can be mounted vertically or horizontally, and can be stacked for additional gain. Excellent for ATV, OSCAR, FM, and tropo DX. Supplied with all stainless steel hardware (except for U-bolts) and M2's weather-proof, gel-filled and O-ring sealed driven element module.

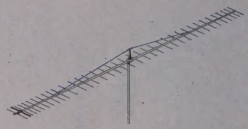
440-21ATV $179

The M2 440-21ATV is the ultimate ATV antenna, computer and range optimized to assure high gain and excellent pattern across its bandwidth. Lightweight, yet sturdy design includes all stainless hardware (except U-bolts), triple sealed balun connectors and gel-filled and O-ring sealed match. The antenna can be mounted vertically or horizontally—perfect for OSCAR, FM, and tropo DX.



432-9WL $219

The M2 432-9WL is a long-boom, 70cm beam antenna, optimized for stacking. But, even when used individually, its radiation pattern and gain are excellent. The antenna's simple and sturdy mechanical design, all stainless steel hardware (except U-bolts), and M2's weather-proof, gel-filled and O-ring sealed driven element module offer reliability through weather and time.



432-13WLA..... $299

The M2 432-13WLA is a long boom, 70cm beam antenna, designed specifically for stacking. Used in a 4-Yagi array, the antennas would provide 23 dBd of gain. Designed for outstanding performance and long term electrical and mechanical integrity—features all stainless hardware (except U-bolts), and M2's weather-proof, gel-filled and O-ring sealed, driven element module.

M2 HF MONOBAND BEAM ANTENNAS

ANTENNA MODEL	FREQUENCY COVERAGE	ELEMENTS	GAIN (DBD)	F-B RATIO	BEAM-WIDTH	TYP. VSWR	POWER HANDLING	COAX CONN.	BOOM LENGTH	TURN RADIUS	WIND SURV.	WIND AREA	WEIGHT (LBS.)	UNIT PRICE
440-470-5HD	440–470 MHz	5	7.8	20 dB	E=56°	1.2:1	800 W	"N" female	2'2"	2'2"	150 MPH	.33 sq. ft.	2 (UPS)	$169
420-50-11	420–450 MHz	11	11.3	20 dB	E=34°	1.2:1	1000 W	"N" female	5'	5'	100 MPH	.58 sq. ft.	4 (UPS)	$119
440-18	420–453 MHz	18	14.5	23 dB	E=27°	1.2:1	1000 W	"N" female	11'4"	5'9""	100 MPH	.88 sq. ft.	5 (UPS)	$159
440-21ATV	420–440 MHz	21	15.9	23 dB	E=22°	1.2:1	1000 W	"N" female	14'6"	7'4""	100 MPH	1.25 sq. ft.	5 (UPS)	$179
432-9WL	420–440 MHz	28	17.3	24 dB	E=20°	1.2:1	1000 W	"N" female	21'	10'6"	100 MPH	1.6 sq. ft.	8 (UPS)	$219
432-13WLA	430–434 MHz	38	18.6	22 dB	E=16°	1.2:1	1000 W	"N" female	30'8"	15'4"	100 MPH	2.5 sq. ft.	10 (UPS)	$299

M2

2MCP14 ..... $209

The M2 2MCP14 is a medium performance, circularly polarized 2m antenna, designed for satellite operation, but also works well for ATV, FM and tropo DX. Supplied with all stainless hardware (except U-bolts), and M2's weather-proof, gel-filled and O-ring sealed driven element module.

2MCP22 ..... $299

The M2 2MCP22 is a high performance, circularly polarized 2m antenna designed for satellite operation, but also works great for ATV, FM, and tropo DX. Supplied with all stainless steel hardware (except U-bolts), and M2's weather-proof, gel-filled and O-ring sealed driven element module.

436CP30 ..... $299

The M2 436CP30 is a medium sized, yet high performance circularly polarized 70cm antenna with a remarkably clean pattern. Designed for satellite, but works well for ATV, FM, and tropo DX. Supplied with all stainless hardware (except U-bolts), and M2's gel-filled and O-ring sealed driven element module.

436CP42U/G $349

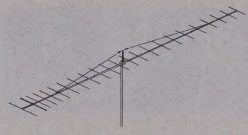
The M2 436CP42U/G is an ultra-high performance, circularly polarized 70cm antenna. Designed for satellite operation, but works great for ATV, FM, and tropo DX. Supplied with all stainless hardware (except U-bolts), and M2's weather-proof, gel-filled and O-ring sealed driven element module.

M2 HF MONOBAND BEAM ANTENNAS

ANTENNA MODEL	FREQUENCY COVERAGE	ELEMENTS	GAIN (DBD)	F-B RATIO	BEAM-WIDTH	TYP. VSWR	POWER HANDLING	COAX CONN.	BOOM LENGTH	TURN RADIUS	WIND SURV.	WIND AREA	WEIGHT (LBS.)	UNIT PRICE
2MCP14	143–148 MHz	14	10.2c	20 dB	52° circ.	1.3:1	1500 W	"N" female	10'6"	6'4"	100 MPH	1.1 sq. ft.	6 (UPS)	$209
2MCP22	144–148 MHz	22	12.3c	25 dB	38° circ.	1.3:1	1500 W	"N" female	18'7"	10'	100 MPH	2.5 sq. ft.	13 (UPS)	$299
2MXP20	144–146 MHz	20	13.3	20 dB	E=30°	1.2:1	1500 W	"N" female	21'8"	12'2"	100 MPH	1.9 sq. ft.	6 (UPS)	$259
2MXP28	144–145 MHz	28	15.1	25 dB	E=25°	1.2:1	1500 W	"N" female	34'6"	17'	100 MPH	3.3 sq. ft.	17 (UPS)	$369
2MXP32	144–144.6 MHz	32	15.8	24 dB	E=24°	1.2:1	1500 W	"N" female	40'11"	24'	100 MPH	4.2 sq. ft.	23 (UPS)	$389
222XP30	222–226 MHz	30	15.2	21 dB	E=26°	1.2:1	1500 W	"N" female	24'3"	13'10"	100 MPH	2.4 sq. ft.	12 (UPS)	$359
436CP30	432–440 MHz	30	14.2c	22 dB	30° circ.	1.4:1	600 W	"N" female	9'9"	4'10"	100 MPH	1 sq. ft.	5 (UPS)	$299
436CP42U/G	430–438 MHz	42	16.8c	25 dB	21° circ.	1.4:1	1000 W	"N" female	18'10"	11'6"	100 MPH	2 sq. ft.	8 (UPS)	$349
2M5-440XP	144–148/430–450	5/10	9/12	12/25 dB	50°/40°	1.3:1	1500/750 W	"N" female	5'8"	5'8"	100 MPH	1.1 sq. ft.	6 (UPS)	$219

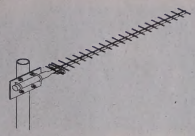
222-10EZ..... $132

The M2 222-10EZ is an easily assembled, medium sized, computer designed, 222 MHz beam antenna. It uses all stainless steel hardware (except U-bolts), and features M2's weatherproof, gel-filled and O-ring sealed driven element module for lasting electrical and mechanical integrity.



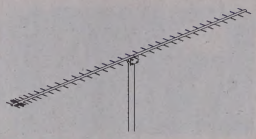
222-7WL..... $259

The M2 222-7WL is an ultra high performance, computer designed, 222 MHz beam antenna. It uses all stainless steel hardware (except U-bolts), and features M2's weather proof, gel-filled and O-ring sealed driven element module. Supplied with overhead Dacron support line and support mast.



23CM22EZA $159

The M2 23CM22EZA is a rugged, high performance, 1.2 GHz beam antenna, Using CNC punched element modules, the antenna can be easily assembled in minutes. Supplied with all stainless hardware (except U-bolts), and M2's weatherproof, gel-filled and O-ring sealed driven element module.



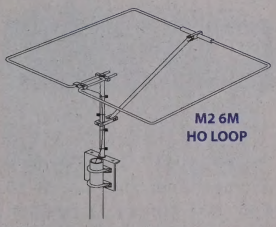
23CM35.....$209

The M2 23CM35 is a long boom, 1.2 GHz beam antenna, computer optimized for high gain and directivity in the weak signal tropo and EME portion of the band. Supplied with all stainless steel hardware (except U-bolts) and M2's weatherproof, gel-filled and O-ring sealed driven element module.

M2 HF MONOBAND BEAM ANTENNAS

ANTENNA MODEL	FREQUENCY COVERAGE	ELEMENTS	GAIN (DBD)	F-B RATIO	BEAM-WIDTH	TYP. VSWR	POWER RATING	COAX CONN.	BOOM LENGTH	TURN RADIUS	WIND SURV.	WIND AREA	WEIGHT (LBS.)	UNIT PRICE
222-7EZ	220–226 MHz	7	9.8	22 dB	E=46°	1.2:1	1500 W	"N" female	5'8"	5'8"	100 MPH	.5 sq. ft.	3 (UPS)	**$119**
222-10EZ	222–226 MHz	10	12	23 dB	E=34°	1.2:1	1500 W	"N" female	9'9"	5'5"	100 MPH	.8 sq. ft.	6 (UPS)	**$132**
222-5WL	222–226 MHz	15	15.2	21 dB	E=26°	1.2:1	1500 W	"N" female	23'4"	12'6"	100 MPH	1.5 sq. ft.	9 (UPS)	**$209**
222-7WL	222–226 MHz	23	16.2	25 dB	E=24°	1.2:1	1500 W	"N" female	32'5"	18'3"	75 MPH	2.7 sq. ft.	11 (UPS)	**$259**
902-9	900–930 MHz	9	12.1	25 dB	E=32°	1.2:1	500 W	"N" female	3'	3'	100 MPH	.3 sq. ft.	4 (UPS)	**$105**
902-17	900–930 MHz	17	14.9	25 dB	E=26°	1.2:1	500 W	"N" female	6'2"	6'2"	100 MPH	.4 sq. ft.	4 (UPS)	**$129**
902-14WLC	900–930 MHz	41	18.8	24 dB	E=18°	1.2:1	750 W	"N" female	15'4"	8'4"	100 MPH	1 sq. ft.	(6 (UPS)	**$259**
23CM22EZA	1250–1300 MHz	22	16	28 dB	E=24°	1:1	600 W	"N" female	5'3"	5'3"	100 MPH	.3 sq. ft.	2 (UPS)	**$159**
23CM35	1250–1300 MHz	35	18.4	21.3 dB	E=17°	1.2:1	600 W	"N" female	10'	5'	100 MPH	.6 sq. ft.	3 (UPS)	**$209**

M2



6M HO LOOP.....$119
2M HO LOOP..... $55
222 HO LOOP..... $55
432 HO LOOP..... $55

The M2 HO LOOP antennas deliver an omnidirectional, horizontally polarized signal for SSB and CW, offering surprisingly big signals because they pick up 4 dB of ground gain that verticals can't. No counterpoise is required. Gain increases dramatically with height above ground. HO Loops are great antennas for mobile, portable, and restricted space operation. Can be stacked for additional gain. We offer a wide range of mounting and stacking options.

HO LOOP OPTIONS

18" x 5/8", Lower Mast..... $19
6" x 1/2", Upper Mast..... $12
16" x 1/2", Upper Mast $14
36" x 1/2", Upper Mast $31
50" x 1/2", Upper Mast $35

Mag Kit..... $27
For magnet mounting a single HO Loop. Consists of 5" magnet and an 18" lower mast.

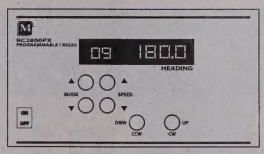
Bigfoot Mag Kit.....$119
For mag mounting an HO Loop stack. Consists of four large magnets and 18" lower mast.

Mast Bracket $21
For mast mounting a stack.

Top Bracket..... $24
For mast mounting one Loop.

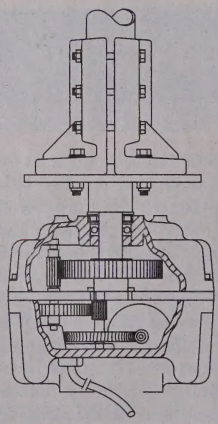
2m Stack Kit $79
Includes phasing lines, "T" junction, upper and lower masts.

70cm Stack Kit $79
Includes phasing lines, "T" junction, upper and lower masts.



OR-2800PX.....$1329

The M2 OR-2800PX is a powerful and reliable heavy duty antenna rotator capable of handling multiple HF antennas or large VHF/UHF arrays. It features a precision worm-gear drive (which can't be reversed by mast torque), non-slip ductile iron mast clamps, prop-pitch style torque plate, large drive plate for masts up to 3 inches in diameter, and heat treated steel gear train. The controller features manual controls, plus heading preset, 10 programmable presets, programmable ramped start and stop, 1/2 degree target accuracy, and an RS-232 port for complete computer control and integration with popular tracking programs.



brake torque	17,000 inch lbs.
maximum vertical load	1800 lbs.
cable requirement	3-#18, 2-#22
mast sizes accepted	1.75–3 inches O.D.
readout resolution	1 degree
readout accuracy	1 degree
rotation range	360+14°
rotation speed	70–90 seconds
rotation torque	2500 inch lbs.
starting torque	3500 inch lbs.
voltage input	110 or 220 VAC
control weight	10 pounds
motor weight	42 pounds
wind load capacity	35 square feet

MFJ

9982 ..... $629

The MFJ 9982 is a high power HF antenna tuner. Using an air core roller inductor and air core variable capacitors, the tuner handles 2500 Watts continuous carrier, on all HF bands. The tuner has a wide matching range, and features a 6-position antenna switch, 4-core balun, built-in 1500 Watt dummy load, illuminated peak/average cross-needle SWR/Wattmeter (simultaneously reads forward power, reflected power, and SWR without calibrating), 3-digit turns counter, and more.

band coverage ..... 1.8–30 MHz
connectors ..... SO-239s (accepts PL-259s)
dimensions ..... 15.8" W x 7" H x 15.8" D
power rating ..... 2500 W, continuous
weight ..... 15 pounds

989D $339

The MFJ 989C is a high power HF antenna tuner. Using an air core roller inductor and two transmitting capacitors to minimize SWR, the tuner features an illuminated cross needle meter, three digit roller inductor counter, and more. The meter simultaneously reads forward power, reflected power and SWR—all without a calibration procedure. Internally, a 300 Watt dummy load, current balun, and 6 position coax switch are integrated for increased versatility.

band coverage ..... 1.8–30 MHz
connectors ..... SO-239s (accepts PL-259s)
dimensions ..... 10.8" W x 4.3" H x 15" D
power rating ..... 3000 watts PEP
weight ..... 15 pounds

986 ..... $319

The MFJ 986 is a high power HF antenna tuner. It uses a wide spaced, silver plated roller inductor and a single differential transmitting capacitor so minimum SWR can be tuned by using only two controls. The tuner features an illuminated cross needle SWR meter (which simultaneously reads forward power, reflected power, and SWR without a calibration procedure), three digit inductor counter, built-in current balun, internal six position coax switch, and more.

band coverage ..... 1.8–30 MHz
connectors ..... SO-239s (accepts PL-259s)
dimensions ..... 10.8" W x 4.5" H x 15" D
power rating ..... 3000 watts PEP
weight ..... 12 pounds

962D $269

The MFJ 962D is a high power HF antenna tuner. It uses an air cooled roller inductor and two transmitting capacitors to minimize the SWR of any antenna. The tuner features an illuminated cross-needle SWR meter (which simultaneously reads forward power, reflected power and SWR without a calibration procedure), a built-in 4:1 balun, and a six position coax switch for increased versatility. The MFJ 962D is ideal for use with the Ameritron AL-811 and AL-811H amplifiers.

band coverage ..... 1.8–30 MHz
connectors ..... SO-239s (accepts PL-259s)
dimensions ..... 10.8" W x 4.3" H x 11.5" D
power rating ..... 1500 watts PEP
weight ..... 12 pounds

MFJ

969 ..... $189

The MFJ 969 is a 300 Watt antenna tuner covering the 160–6 meter bands. It features an air core roller inductor with self-wiping contacts, mechanical roller inductor counter, built-in heavy duty 4:1 balun, eight position antenna switch, built-in 50 Ohm dummy load, illuminated cross-needle SWR meter which simultaneously indicates forward and reflected power as well as SWR—all without the need for a time consuming calibration procedure. The tuner will match virtually any antenna or mobile whip.

band coverage ..... 1.8–60 MHz
connectors ..... SO-239s (accepts PL-259s)
dimensions ..... 9.5" W x 3.5" H x 10.5" D
power rating ..... 300 W
weight ..... 5 pounds

949E $159

The MFJ 949 is a 300 Watt T-circuit antenna tuner, covering the 160–10m bands. It features a built-in heavy duty 4:1 balun, peak and average reading cross needle SWR meter which simultaneously reads forward and reflected power as well as SWR—without a calibration procedure in either 300 Watt or 30 Watt full scale settings, built-in 300 Ohm dummy load, eight position coax switch, and more. The tuner will match almost any antenna or mobile whip fed with balanced line or coaxial cable.

band coverage ..... 1.8–30 MHz
connectors ..... SO-239s (accepts PL-259s)
dimensions ..... 10" W x 3" H x 7" D
power rating ..... 300 W
weight ..... 5 pounds

948 ..... $139

The MFJ 948 is a 300 Watt T-circuit antenna tuner covering 1.8–30 MHz. It is identical to the 949E, except without the internal dummy load. Features a peak and average reading cross-needle meter which simultaneously reads forward and reflected power as well as SWR without the need for a time consuming calibration procedure, a built-in eight position coax switch, heavy duty 4:1 balun, and more. The tuner will match almost any antenna or mobile whip fed with balanced line or coaxial cable.

band coverage ..... 1.8–30 MHz
connectors ..... SO-239s (accepts PL-259s)
dimensions ..... 10.3" W x 3.3" H x 7.5" D
power rating ..... 300 Watts
weight ..... 5 pounds

941E $129

The MFJ 941E is a 300 Watt HF antenna tuner covering 1.8–30 MHz. It features a 12 position air wound switched inductor, illuminated cross-needle meter which simultaneously indicates forward and reflected power as well as SWR in either 300 Watt or 30 Watt scale—without a time consuming calibration procedure, a built-in eight position coax switch, and a built-in 4:1 balun. The tuner accepts balanced line, coaxial cable and single wire antenna inputs and will tune most any antenna.

band coverage ..... 1.8–30 MHz
connectors ..... SO-239s (accepts PL-259s)
dimensions ..... 10.6" W x 2.8" H x 7" D
power rating ..... 300 W
weight ..... 4 pounds

945E.....$119

The MFJ 945E is a compact 300 watt HF antenna tuner designed for mobile operation, covering 1.8–60 MHz. This T-circuit tuner features an illuminated (requires 12 vDC source, power cord provided) cross-needle SWR meter which simultaneously reads forward power, reflected power and SWR—all without a calibration procedure. The tuner will match virtually any transmitter to any mobile whip, as well as almost any fixed station antenna, such as a dipole, long wire, or vertical antenna fed by balanced line or coaxial cable.

band coverage	1.8–60 MHz
connectors	SO-239s (accepts PL-259s)
dimensions	8" W x 2" H x 6" D
power rating	300 W
weight	2 pounds

993B $229

The MFJ 993B is the world's first dual power auto tuner, covering 1.8–30 MHz. It handles 300 Watts with a huge tuning range of 6–1600 Ohms, or 6–3200 Ohms in the 150 Watt setting! Features an illuminated cross-needle meter (which simultaneously indicates forward and reflected power, and SWR—without calibrating), 20,000 tuning memory channels for faster tuner setting recall, 2-position antenna switch, built-in 4:1 current balun, and more. A two-line LCD display indicates forward or reflected power, SWR, L/C settings and other information.

band coverage	1.8–30 MHz
connectors	SO-239s (accepts PL-259s)
dimensions	2.8" H x 10" W x 9" D
power rating	300 W, maximum
weight	3.9 pounds

259B... $259

The MFJ 259B is an HF/VHF antenna analyzer. This handy test instrument connects to an antenna feed point, and generates a low level RF signal indicated by the built-in frequency counter. Features a tuning control which allows sweeping the output frequency to find minimum SWR and specific feed point resistance simultaneously. It covers 1.8–170 MHz, and uses 8 AA batteries; measures 4" W x 6.8" H x 2.5" D.

1312D $15.95

AC Adapter for indoor use.

66.....24.95

Dip Coils for the MFJ 259.

29C, Carry Case.....$24.95

Carry pouch with window.

269 .....$339

The MFJ 269 is an HF/VHF/UHF antenna analyzer. It includes all the features of the popular MFJ 259B, and much more. Includes built-in Ni-Cad and Ni-MH battery charging circuit and MFJ's new 12-bit A/D converter. The MFJ 269 can be used to measure antenna SWR, feed line loss, feed line velocity factor, distance to short or open, SWR, return loss, reflection coefficient, and more! Accepts "N" male connector, supplied with "N" male to UHF female adapter. Covers 1.8–170 and 415–470 MHz, and uses 10 AA batteries; measures 4" W x 6.8" H x 2.5" D.

1312D.....$15.95

AC Adapter for indoor use.

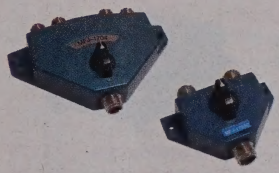
MFJ

250.....$69

The MFJ 250 is a 50 Ohm oil filled dummy load. It is rated for 2000 watts PEP for 10 minutes. SWR is rated 1.2:1 at 30 MHz, increasing to 2:1 at 400 MHz. With removable vent cap, SO-239 input connector, and carry handle. Supplied with PCB-free transformer oil.

264.....$74

The MFJ 264 is a 50 Ohm air cooled dummy load. SWR rated 1.1:1 at 30 MHz, usable up to 650 MHz. Rated to handle 100 watts continuously, or up to 1000 watts for 10 seconds. Measures 3" H x 3" W x 9" D, with SO-239 input connector.



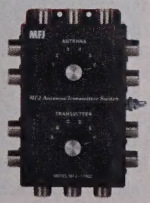
1704.....$75

The MFJ 1704 is a low loss, cavity type 50 Ohm coaxial switch. It has a single input and four separate outputs, all SO-239. All unused positions stay grounded for added protection. A replaceable surge absorber protects against static discharge. It handles a full 2500 W PEP with extremely low SWR. Isolation is better than 60 dB at 30 MHz; 50 dB at 500 MHz with very low insertion loss.

1702C $33.95

The MFJ 1702C is a two position coax switch similar to the 1704 shown above, except without the surge absorber.

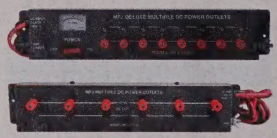
1700C.....$89



The MFJ 1700C is a six-position antenna/transceiver switch. Allows you to instantly select one of six antennas and one of six transceivers. Handles 2 kW PEP, covers 1.8–30 MHz. Built-in surge arrestor helps protect your gear. All connectors are SO-239, and unused positions are automatically grounded. Measures 6.5" H x 4.8" W x 3" D.

1701 .....$69

The MFJ 1701 is a six position coax switch. Covers 1.8–30 MHz and handles 2 kW, PEP. Unused positions are automatically grounded. All connectors are SO-239 type and are connected from the bottom of the switch, so it can be conveniently wall mounted. Measures 3" H x 10" W x 1.5"D.



1116 .....$54.95

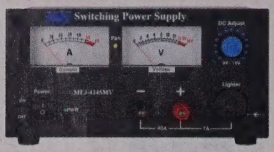
The MFJ 1116 is a fused and DC bypassed DC multi-connect. Provides 8 pairs of heavy duty binding posts that will handle a total of amps. Built-in 0–25V voltmeter, fuse holder and illuminated power switch. Measures 12.5" W x 2.8" H x 2.5" D. With connected 6' heavy duty 8 gauge color-coded power cable, with ring terminals.

1112 .....$39.95

Similar to the 1116, described above, except without the voltmeter, fuse holder or power switch.

1118.....$79.95

Not pictured. Similar to 1116, but with two sets of posts rated for 35 amps, total, plus 6 additional sets rated for a total of 15A.



4245 ..... $189

The MFJ 4245 is a compact, variable voltage switching DC power supply, providing up to 45 Amps. Specifically designed and filtered to eliminate RF noise. Full over-voltage and over-current protection keeps your connected equipment safe. Features separate backlit amp and volt meters, front panel voltage control. Front panel mounted binding posts and cigarette lighter socket are provided, as well as a pair of quick disconnects on the rear panel.

output voltage	9–15 vDC
output current	40 A continuous, 45 A ICS
input voltage	85–135, 170–260 vAC
ripple/regulation	< 35 mV p-p / 1.5% full load
size	4.8" H x 7.5" W x 9" D, 5.5 pounds

4035MV $139

The MFJ 4035MV is a variable voltage power supply, providing up to 35 amps of current. A super heavy duty transformer allows the power supply to run at 30 amps continuously. Fully regulated with over-voltage and over-current protection to protect your gear. Equipped with separate amp and volt meters. The front panel has a pair of heavy duty binding posts, two pairs of quick-disconnect terminals, a cigarette lighter jack, fuse holder, illuminated power switch and variable voltage control.

output voltage	1–14 vDC
output current	30 A continuous, 35 A ICS
input voltage	110 vAC
ripple/regulation	< 30 mV p-p / 1% full load
size	4.8" H x 8" W x 11.8" D, 20 pounds

4125 ..... $109

The MFJ 4125 is a compact, switching DC power supply, providing up to 25 amps of 13.8 vDC power. Perfect for powering any of the popular 100 watt HF transceivers. Specifically designed and filtered to eliminate RF noise. Full over-voltage and over-current protected. A whisper quiet internal fan keeps the power supply cool. Features front panel mounted binding posts for high-current loads and rear panel mounted push-on terminals for low-current loads.

output voltage	13.8 vDC
output current	25 A continuous., 20 A ICS
input voltage	85–135, 170–260 vAC
ripple/regulation	< 35 mV p-p / .51% full load
size	2.5" H x 5.5" W x 5.8" D, 3.5 pounds

4312 ..... $69

The MFJ 4312 is a linear 13.8 vDC power supply. Traditional design uses a heavy duty transformer to provide up to 12 amps of current, perfect for powering a mobile 2m or 2m/70cm dual-band transceiver. The power supply is fully over-voltage and over-current protected, to keep your connected equipment safe. Equipped with front panel mounted binding posts and cigarette lighter socket for easy DC power connections.

output voltage	13.8 vDC
output current	10 A continuous., 12 A ICS
input voltage	110 vAC
ripple/regulation	< 30 mV p-p / 1% full load
size	4.8" H x 8" W x 10.3" D, 13.5 pounds

MFJ

1275 ..... $99.95
1275M $99.95

The MFJ 1275 is a computer sound card interface for operating all digital modes, like PSK-31, Packet, APRS, AMTOR, RTTY, SSTV, CW, high speed CW meteor scatter and many others. It also features CW and SSB memory keyer modes. Provides fully automatic operation with audio and push-to-talk control. Matches sound card audio, eliminates ground loops and provides microphone override. Internal jumpers program wiring for any radio with a round 8-pin mic plug (the M model is for rigs with modular mic plugs). Bypass switch lets you quickly return to normal computer operation. Supplied with RS-232 and audio cables, power supply, and a CD with a collection of popular digital mode shareware.

407D, CW Keyer $69
1312D, AC Adapter..... $15.95

The MFJ 407D is a CW keyer, featuring the world-famous Curtis chip allows even novices to send perfect CW. Offers front panel controls for volume, speed, weight and tone, as well as a tune button. Keys tube and solid state rigs. Built-in speaker for sidetone. Can be powered with an internal 9V battery, or optional 1312D AC adapter. Measures 1.8" H x 5.8" W x 4.8" D.

401D, Compact Keyer $59

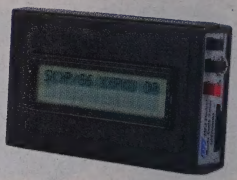
Compact version of the MFJ 407D described above. Without tune button. Tone and weight controls are via internal pots which can be adjusted with a small screwdriver. Measures 1.8" H x 4" W x 3.3" D.

422D, Keyer/Paddle $179
1312D, AC Adapter $15.95

The MFJ 422D is a CW keyer/paddle combination, built on the popular Bencher BY-1 iambic CW paddle. The keyer portion is internally identical to the MFJ 401D, described below. Can be powered by an internal 9V battery, or with the optional 1312D AC Adapter.

564, Iambic Paddle $69.95
564B, Iambic Paddle .. $69.95

The 564 is an iambic CW paddle, with heavy chrome-plated base and red Lucite™ paddles. The 564B has a black crinkle-finished base and clear Lucite™ paddles.



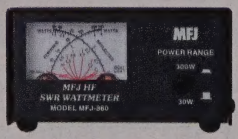
418, Code Tutor $89
26B, Soft Case $9.95

The MFJ 418 is a pocket-sized Morse code tutor. Beginner's mode uses ARRL format to learn small groups of characters. New character groups are gradually added until all are learned. Practice copying sent code and then instantly check your copy on the LCD display. MFJ's Word Recognition Mode helps you recognize hundreds of common words instead of hearing them as individual letters. Includes volume and pitch controls. Speed is instantly adjustable (3–60 WPM). Powered by an internal 9V battery (not included). Measures 2.3" H x 3.8" W x 1" D, weighs only 5 ounces.

870 ..... $129.95

The MFJ 870 is a high-power SWR/watt meter, covering 1.6–60 MHz. It has a large 3-1/4" x 1-1/4" illuminated meter, and is switchable between 30, 300 and 3000 Watts, full scale, peak or average. Reads forward or reflected power or VSWR. Housed in an all-metal cabinet with an injection molded front panel, it will look at home next to any transceiver. Supplied with a DC cord to provide power to the back light lamps.

frequency range	1.6–60 MHz
accuracy	±10% (AVG)
ranges	30/300/3000 W
minimum SWR sensitivity	3 watts
connectors	SO-239 (accepts PL-259s)
insertion loss	.5 dB
size	4.2" H x 7.5" W x 3" D
weight	1.8 pounds



860 ..... $49.95

Cross-needle SWR/watt meter, covering 1.8–60 MHz. Illuminated movement reads forward power, reflected power and SWR simultaneously—without the need for calibration. Measures 2.3" H x 4.5" W x 3" D.

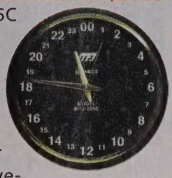
862 ..... $59.95

Similar to the MFJ 860, shown above, except covers 2m/220 MHz/70cm, with a single sensor. Measures 2.5" H x 5.8" W x 2.3" D.

864 ..... $89.95

Similar to the MFJ 860, shown above, except covers 1.8–60 /144/440 MHz. One sensor for 1.8–60 MHz and another for 144/440 MHz. Measures 2.5" H x 7.3" W x 2.3" D.

105C $24.95

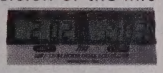


The MFJ 105C is the world's most popular ham radio wall clock. True 24-hour quartz movement. Huge 12" black face with white numerals for high visibility, with attractive gold hands.

107B $12.95

The MFJ 107B is a 24-hour digital UTC clock. Large 5/8" LCD numerals with brushed aluminum frame. Measures 2" H x 2.5" W x 1" D.

108B $21.95

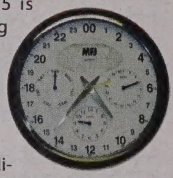


Dual time version of the MFJ 107B. One clock can be set for local time, the other for UTC. Measures 2" H x 4.5" W x 1"D.

118 ..... $29.95

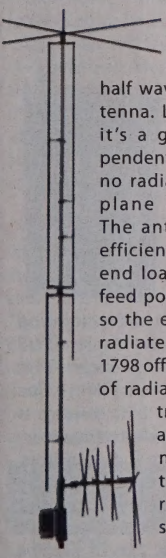
The MFJ 118 is a jumbo-sized digital clock. It has huge 1.3" high-contrast LCD digits, making it easy to read. Also has date and day of week display. Can be used in 12-hour or 24-hour mode. Measures 2.5" H x 5.8" W x .5" D.

125, DX'ers Clock $34.95



The MFJ 125 is a 12" analog 24-hour wall clock featuring three smaller independent dials for 12-hour time, day of week and date. No more confusion while logging DX!

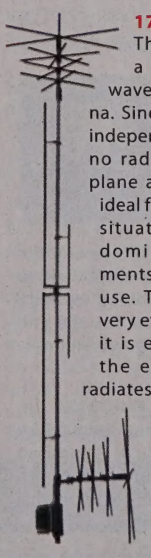
MFJ



1798 .... $279

The MFJ 1798 is a ten band half wave vertical antenna. Like the 1796, it's a ground independent half wave, so no radials or ground plane are needed. The antenna is very efficient because it's end loaded with the feed point at the top, so the entire antenna radiates power. The 1798 offers a low angle of radiation, uses no traps, achieves a close 50 Ohm match across the bands, and requires no switching.

bands	80/75, 40, 30, 20, 17, 15, 12, 10, 6, 2m
bandwidth (2:1 SWR)	varies by band
height	20 ft.
power rating	1500 watts PEP
weight	18 pounds



1796 ..... $209

The MFJ 1796 is a six band half wave vertical antenna. Since it's a ground independent half wave, no radials or ground plane are needed. It's ideal for limited space situations like condominiums, apartments, and portable use. The antenna is very efficient because it is end loaded, so the entire antenna radiates power. It uses no traps, and achieves a close 50 Ohm match on all bands, with no band switching.

band coverage	40, 20, 15, 10, 6, 2m
bandwidth (2:1 SWR)	varies by band
height	12 ft.
power rating	1500 watts PEP
weight	15 pounds

1778, G5RV $49

The MFJ 1778 is a G5RV multiband wire antenna, covering 10, 12, 15, 17, 20, 30, 40, and 80m. The antenna is 102' long, with a 32.6' lead in, constructed of 450 Ohm ladder line. An 8-10 turn coax balun is required, which would use an additional 10' of whatever feed line is connected. A manual antenna tuner is recommended for use with all G5RV type antennas. Can be used as a horizontal dipole, an inverted V, or a sloper. Handles 1500 Watts. No assembly required.

1778M, G5RV JR $39

Shortened version of the MFJ 1778 shown above. Covers 10, 12, 15, 17, 20, 30, and 40m. The antenna is 52' long, with a 17' lead in. Handles 1500 Watts. No assembly required.

912, W9INN Balun $59

The MFJ 912 is a remote balun box. Converts unbalanced coax line to balanced ladder transmission line. Rugged aluminum housing contains a huge two-core 4:1 balun, wound with Teflon™ wire attached to heavy-duty ceramic feed-through insulators. Handles 1500 W. Measures 2.3" H x 3.3" W x 7" D.

918, 1:1 Balun $29.95

The MFJ 918 is a true 1:1 current balun/center insulator. Forces equal antenna currents in dipoles for superior performance. Reduces feed line radiation and field pattern distortion, as well as TVI, RFI and RF hot spots.

PALSTAR

AT-1KPM $389

The Palstar AT-1KM is a 1200 W antenna tuner covering 1.8–30 MHz. It's differential design uses only two knobs for tuning. Both are large, offering super smooth control of the capacitor and the inductor. The tuner features a built-in 4:1 balun, 6-position antenna switch and a backlit cross-needle peak/hold SWR-wattmeter, which displays forward power, reflected power, and SWR—simultaneously. Peak or average power can be shown, switchable between 300 and 3000 W full-scale readings.

frequency range	1.8—30 MHz
power handling	1200 W, PEP
input connector	SO-239
output connectors	SO-239, binding posts
dimensions	4.5" H x 10.5" W x 11" D
weight	8 pounds

AT-1500CV $459

The Palstar AT-1500CV is a full power antenna tuner covering 1.8–30 MHz. Large controls offer super smooth control of both capacitors and the inductor. The tuner features a built-in 4:1 balun, 6-position antenna switch and an illuminated cross-needle peak/hold SWR-wattmeter, which displays forward power, reflected power, and SWR—simultaneously.

AT-1500DT $459

Similar to the AT-1500CV, but differential design with a single tuning capacitor and control.

frequency range	1.8—30 MHz
power handling	1500 W, PEP
input connector	SO-239
output connectors	SO-239, binding posts
dimensions	4.5" H x 12.5" W x 11.5" D
weight	11.5 pounds

AT-4K $879

The Palstar AT-4K is a 2500 Watt antenna tuner covering 1.8–30 MHz. It's T-Match design uses two heavy duty variable capacitors and a heavy duty roller inductor to tune any antenna. The tuner has a built-in 1:1 input balun, 6-position antenna switch, and a backlit cross-needle peak/hold SWR-wattmeter, which displays forward power, reflected power, and SWR—simultaneously. Peak or average power can be shown, switchable between 300 and 3000 W full-scale readings.

frequency range	1.8—30 MHz
power handling	2500 Watts, CW
input connector	SO-239
output connectors	SO-239, binding posts
dimensions	7" H x 15" W x 16" D
weight	20 pounds

AT-5K $1179

The Palstar AT-5K is a 3500 Watt antenna tuner covering 1.8–21 MHz, with reduced Z range on 12/10m band. It's T-Match design uses two massive variable capacitors and matching roller inductor to tune any antenna. The tuner has a built-in 1:1 5 kW Teflon™ coax input balun, 6-position antenna switch, and a backlit cross-needle peak/hold SWR-wattmeter, which displays forward power, reflected power, and SWR—simultaneously. Reads peak or average power, switchable 300/3000 W full-scale.

frequency range	1.8—30 MHz
power handling	3500 Watts
input connector	SO-239
output connectors	SO-239, binding posts
dimensions	8" H x 16" W x 18" D
weight	30 pounds

PALSTAR

AT-AUTO $1195

The Palstar AT-AUTO is a 1.5 kW automatic antenna tuner. It has a large, backlit 2-line LCD display for reading the status of antenna feed, frequency, and tuner memory channel. A custom built capacitor for differential tuning and a custom built ceramic body roller inductor assures an accurate match to any antenna. The tuner also includes a cross-needle peak/hold SWR-wattmeter, which displays forward power, reflected power, and SWR—simultaneously!

frequency range	1.8—30 MHz
power handling	1500 W, PEP
tuner memory channels	500
tuning time	1–30 seconds
input voltage	12 vDC, 3.3 A
input connector	SO-239
output connectors	SO-239, binding posts
dimensions	5.5" H x 12.5" W x 16" D
weight	25 pounds

BT-1500A $679

The Palstar BT-1500A is a legal limit balanced line tuner covering 1.8–30 MHz. Features relay switched Hi-Z/Low-Z impedance range, relay switched HI-C/Low-C capacitor range, built-in 1:1 ferrite balun. Also includes a backlit cross-needle peak/hold SWR-wattmeter, which displays forward power, reflected power, and SWR—simultaneously! Meter reads peak or average power, and is switchable between 300 and 3000 W PEP full-scale readings. Supplied with a wall transformer for meter backlighting.

frequency range	1.8—30 MHz
power handling	1500 W, PEP
input connector	SO-239
output connectors	binding posts
dimensions	6" H x 13" W x 16" D
weight	17 pounds

PM-2000A $149

The Palstar PM2000A is a cross-needle, peak-hold type SWR/wattmeter. It displays forward power, reflected power, and SWR—simultaneously! The backlit meter can display either peak or average power readings, and is switchable for 300 and 3000 watt range power settings.

PM-2000AM $149

Similar to the PM-2000A described above, but designed for mobile operation. It is supplied with a mounting bracket with hardware, and a shielded external remote mount sensor.

frequency range	1.8–60 MHz
power handling	3000 Watts
power ranges	300 / 3000 Watts
connectors	SO-239
dimensions	4.3" H x 4.8" W x 4" D
weight	1.5 pounds

ZM-30 ..... $379

The Palstar ZM-30 is an automated SWR/antenna analyzer with an 8-bit micro-controller and precision low power DDS signal generator. It also includes a self-calibrating reflectometer and displays SWR at selectable frequencies from 1–30 MHz on its backlit 2 line x 16 character LCD display. It measures SWR, impedance, reactance, inductors and capacitors, transmission lines, stubs, Q, and resonant frequency. It includes a serial port for field-upgradable software. The ZM-30 can be powered by eight internal AA cells (not included), or any 9–16 vDC source (requires 200 mA). Measures 3" W x 4" H x 2" D.

PHILLYSTRAN

Say goodbye to troublesome steel guys. Phillystran offers a better alternative to the problems associated with steel cable. Phillystran eliminates these traditional headaches:

- The need to compute resonant guy wire lengths.
- Arcing and crackling caused by porcelain insulators.
- Stretching or aging with conventional synthetic ropes.
- Intermodulation (IM) products from nearby high-power AM broadcast stations—possibly miles away.
- Transmitted signal distortion due to re-radiation by conductive, resonant-length guy wires.

Constructed of Kevlar fiber and covered with an extruded copolymer jacket, which protects it from Ultraviolet radiation, Phillystran HPTG-I is electrically transparent—so it requires no insulators! The material offers a maintenance-free, tension-once and walk-away installation. Since its introduction in 1973, Phillystran has been used in thousands of commercial installations and is the choice of knowledgeable amateurs the world over.

PLP BIG Grip™

Phillystran has developed a field-installable, galvanized-steel, guy-cable dead end called the BIG Grip. The grip matches the rope twist direction and is color-coded for identification. Its longer length matches Phillystran cable performance and rated strength. Each guy requires a grip on both ends.

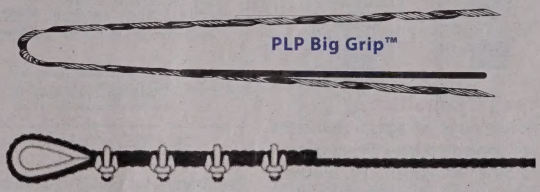
Additional hardware required when using the BIG Grip are end caps, thimbles, and shackles, all sold separately. End caps prevent damage from weather elements; thimbles provide form and mechanical strength to the grips; and shackles allow the guy to be attached to the anchoring hardware.

Installation of the BIG Grip to the end of the Phillystran is quick and easy, requiring no special tools.

- Pretension the cable.
- Insert the appropriate heavy-duty thimble.
- Wrap the guy onto the grip.
- Trim back the cable and install an end cap.
- Secure the ends of the grip with the supplied black zip tie.

A screw pin shackle can be used to attach the finished ends of the guy line to the anchoring hardware (turnbuckle and guy assembly).

We're often asked how long Phillystran will last. The product has been in use since 1973, and we're still waiting to hear the first report of the need to replace a Phillystran guy system. So, at this time, we would have to reply that Phillystran lasts 24 years—and still counting. It may well prove to be that the material will out last the original tower's galvanizing. Interestingly, we do occasionally get reports of galvanized guy wire needing to be replaced within this same period of time.



HPTG1200I Phillystran is used for boom trusses, light masts, and vertical antennas. It is not suitable for tower guying. It does not require the BIG Grip, but instead, is terminated with an end kit, which is comprised of four cable clamps, a thimble, and end cap.

TECH Note

HOW TO CHOOSE THE CORRECT PHILLYSTRAN SIZE

Choosing the correct Phillystran size is fairly simple. The first step is to determine the steel guy wire size recommended by the tower manufacturer for your particular installation. The chart below identifies the steel guy wire equivalent of the different Phillystran sizes. Be sure to choose the Phillystran size that is at least as strong as the specified steel guy wire.

For example, Rohn specifies 3/16" EHS steel guy wire for most of their 25G installations. Looking at the chart below, you will see that the appropriate Phillystran size would be HPTG4000I, with a breaking strength of 4000 pounds. (3/16" EHS is rated at 3,990 pounds.)

Rohn specifies 1/4" EHS for most 45G installations, which is rated at 6,770 pounds. Again, if we refer to the chart, we see that the appropriate Phillystran replacement would be the HPTG-6700I, rated at 6,700 pounds.

Some Rohn 55G installations call for 5/16" EHS, which is rated at 11,000 pounds. Once again, referring to the chart below, we can see the comparable Phillystran cable would be the HPTG-11200I, rated at 11,200 pounds.

Please call us if you need help selecting the appropriate Phillystran size, or if you have any other questions regarding its use.

MORE TIPS

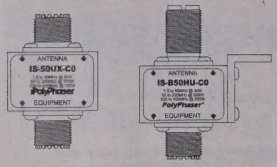
If the lower end of the guy is close to the ground, we recommend using a short length of steel cable leader to prevent damage from brush fires, destructive animals, or vandals. The cost associated with the steel leader is largely offset by the associated reduction in Phillystran length.

Be sure to ask for a free end installation instruction sheet when ordering Phillystran cable.

PHILLYSTRAN NON-CONDUCTING GUY MATERIAL

CABLE SIZE	STRENGTH RATING	STEEL WIRE EQUIVALENT	PRICE PER FT.	END TERMINATION							
				GUY GRIP	PRICE	SHACKLE	PRICE	THIMBLE	PRICE	END CAP	PRICE
HPTG1200I	1,200 lbs.	3/32" (1x7)	$.45	HPTG1200I REQUIRES A "1200 END KIT" FOR TERMINATION.....$3.60							
HPTG2100I	2,100 lbs.	1/8" (1x7)	$.59	PLP2738	$7.00	Not normally required.		3/8" TH	$1.45	H165	$.25
HPTG4000I	4,000 lbs.	3/16" EHS	$.89	PLP2739	$9.50	3/8"	$4.90	7/16" TH	$2.35	H164	$.25
HPTG6700I	6,700 lbs.	1/4" EHS	$1.29	PLP2755	$13.50	1/2"	$7.75	1/2" TH	$2.95	H142	$.25
HPTG11200I	11,200 lbs.	5/16" EHS	$1.89	PLP2758	$16.00	1/2"	$7.75	1/2" TH	$2.95	H204	$.25

POLYPHASER

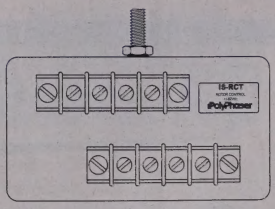


Coaxial Protectors
Assure surge voltages and currents are prevented from being passed to other equipment. DC blocked, low loss, wide frequency range, low VSWR, aluminum enclosure.

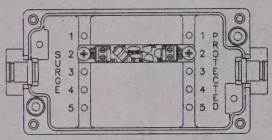
IS-50UX-C0, Flange.....$62.99
IS-B50LU-C0, Bulkhead....$65.99
Rated 1.5–400 MHz, 2 kW HF, 375 W VHF, 125 W UHF. SO-239.

IS-50UX-C1, Flange.....$$62.99
IS-B50LU-C1, Bulkhead....$65.99
Rated 50–700 MHz, 375 W VHF, 125 W UHF. SO-239 connector.

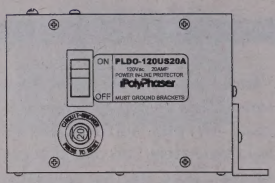
IS-50NX-C2, Flange.....$62.99
IS-B50LN-C2, Bulkhead ...$65.99
Rated 125–1000 MHz, 375 W VHF, 125 W UHF. N-female connector.



IS-RCT $99.99
The Polyphaser IS-RCT is a protector for rotators and nearby equipment. Protection for up to 8 wires. Water tight with mounting stud.

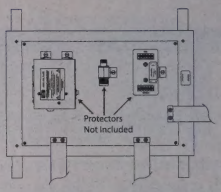


IS-1TW $89.99
The Polyphaser IS-1TW is a multistage protector for telephones and trunk lines. Handles ring voltages to 105 V, surges to 36 kA.



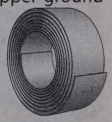
PLDO-120USA15A $169.99
The Polyphaser PLDO-120USA15A is an in line, multistage line protector. It offers multi-strike line protection, filtering, and proper grounding for a 120 VAC line. Includes two fully grounded outlets, power switch, and circuit breaker, within a grounded, all aluminum enclosure. Handles 15 amps, and is equipped with a 15 foot cord. Measures 4.8" W x 4" H x 4"D.

PLDO-120USA20A $199.99
Higher current version of PLDO-120USA15A featured above. Handles 20 amps, and is equipped with a 6 foot cord. Measures 4.8" W x 4" H x 4" D.



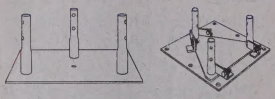
CU-SPGP $88.99
The Polyphaser CU-SPGP is a heavy duty grounding plate. Constructed of .062" copper plate, mounted on a piece of 1/2" plywood. For mounting protectors and establishing a single grounding point for station equipment. Supplied with concrete anchors, two rolls of 1.5" x 10' copper grounding strap and two 12" x 18" copper sandwich bars.

CS-325 .....$57.99
Low inductance copper grounding strap. Cannot be fused open by lightning. Roll is 25' long, 3" wide x #26 AWG thickness.

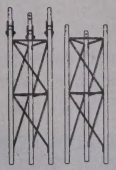


ROHN

25G $109
The Rohn 25G tower is a popular choice for large VHF/UHF antennas and small to medium sized HF tribanders. The tower is a 12" face triangular design using 1-1/4" steel legs and continuous 5/16" steel rod bracing. Sections fit together with a double bolted joint. The tower is a guyed design; three anchors spaced radially 120° apart, are set out from the base 80% of the tower height. Fixed and hinged base sections and plates, top sections, and other options make the 25G an extremely versatile tower. Supplied with nuts and bolts.



BPC25G $69
3/4" x 12" Pier Pin $12
BPH25G (Hinged) $229
1/2" x 12" J-Bolts.....$15.75
Base plates allow 25G to be mounted on existing concrete. The BPC25G uses pier to align the plate to the slab. The BPH25G uses four 12" j-bolts.



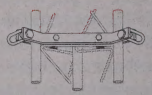
SB25G.....$69
SB25G5.....$99
SBH25G $219
Concrete base sections for 25G.

No tower is self supporting during construction! To insure safety, always use an adequate temporary guying system during construction.

SELF SUPPORTING 25G		
HEIGHT	WINDLOAD	WIND
10 FT.	19.7 sq. ft.	70 MPH
20 FT.	14.2 sq. ft.	70 MPH
30 FT.	6.4 sq. ft.	70 MPH
40 FT.	1.5 sq. ft.	70 MPH

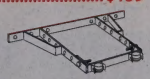
The chart above shows safe height levels for self supporting 25G towers.

GA25GD.....$119

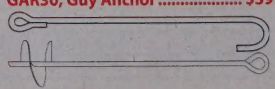


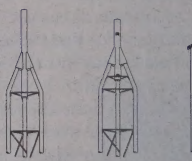
Used to safely attach guy wires to 25G sections. Evenly distributes guy load to all three sides of tower.

HB25AG $99
HB25BG $139
HB25CG.....$139
Adjustable house brackets for light duty installations.



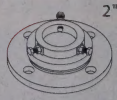
GAS604, Screw Anchor.....$59
GAR30, Guy Anchor $39



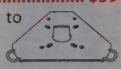


25AG2.....$179
25AG3.....$229
25AG4.....$169
These Rohn sections are all used to top off 25G tower. All are approximately 9 feet long. The 25AG2 and 25AG3 are sleeve tops (the sleeve in the 25AG3 is shorter, but includes a mast locking lug), the 25AG4 is a flat top, for using a thrust bearing.

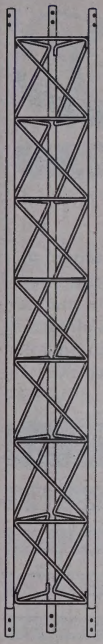
TB3 .....$149
The Rohn TB3 is a self-lubricating 2" thrust bearing. It accepts masts from 1.75 to 2" in diameter. Supplied with three mast set bolts, and mounting hardware.



AS25G.....$59
Rotor plate, drilled to fit both Hygain and Yaesu rotators.



ROHN

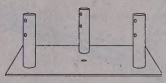


45G $229

Rohn 45G is an 18" triangular tower design using 1-1/4" 14 gauge steel side rails and solid steel 7/16" cross bracing. Sections fit together with a double bolt joint for added strength. The tower is designed to use three guy points spaced 120 degrees radially, with anchors set out from the base of the tower at 80% of the tower height. All 45G sections and accessories are hot dip galvanized after fabrication. Sections are supplied with joint hardware.

SELF SUPPORTING 45G		
HEIGHT	WINDLOAD	WIND
10 FT.	42.5 sq. ft.	70 MPH
20 FT.	22 sq. ft.	70 MPH
30 FT.	6.4 sq. ft.	70 MPH
40 FT.	5.1 sq. ft.	70 MPH

The chart above shows safe height levels for self supporting 45G towers.



BPC45G $129
3/4" x 12" Pier Pin $12

Concrete base plate allows 45G to be mounted on existing concrete pad. Requires one 3/4" x 12" pier pin.

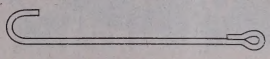
SB45G $119

Short base section designed to be placed into a base footing hole, with concrete poured around it.

No tower is self supporting during construction! To insure safety, always use an adequate temporary guying system during construction.

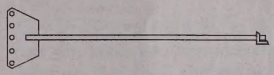
GA45GD $149

Used to attach guy wires, distributing forces to the entire tower instead of a single leg.



GAR30 Anchor $39

Concrete anchor rod, 5/8" x 84".



GAC3455 Anchor $129

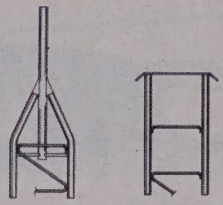
Heavy duty concrete anchor, 3/4" diameter with an attached 5 hole single equalizer plate.

EP25343 ..... $36
EP25345 ..... $49

These dual equalizer plates allow connection of three (EP25343), or five (EP25345) guy wire to a single GAR30 guy anchor.

AS455G $119

Rotator plate, predrilled for Hygain and Yaesu rotators.

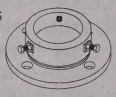


45AG2 ..... $359
45AG4 ..... $379

These Rohn sections are used to top off the 45G tower. They are approximately 9 feet long. The 45AG2 is a sleeve top. The 45AG4 is a flat top, designed for use with a thrust bearing, with guy wire attachment points.

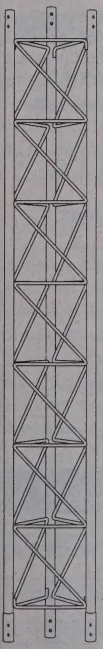
TB3 ..... $149
TB4 ..... $169

The Rohn TB3 is a 2 inch thrust bearing. It will accept masts with an outside diameter of 1.75 to 2". The TB4 accepts masts 2.75–3". Both models are self lubricating, and come with mounting hardware.



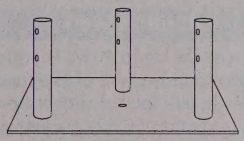
TB-4

ROHN



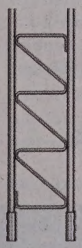
55G $289

Rohn 55G is an extra heavy duty 18-1/2" face triangular tower using 1-1/2" steel side rails and solid steel 7/16" cross bracing. Sections fit together with a double bolt joint for strength. The tower uses three guy points radially spaced 120° apart, with anchors set out from the base of the tower 80% of the tower height. All 55G tower sections and accessories have a hot dip galvanized finish assuring years of trouble free service. With nuts and bolts.



BPC55G $189
3/4" x 12" Pier Pin $12

This base plates allows 55G tower sections to be mounted on an existing concrete slab. Uses a 3/4" x 12" pier to align the plate to the pad.



SB55G $169

The Rohn SB55G is a concrete short base section, used to install 55G tower into the ground. Foundation footing size is 3 feet square by 4 feet deep.

No tower is self supporting during construction! To insure safety, always use an adequate temporary guying system during construction.

SELF SUPPORTING 55G		
HEIGHT	WINDLOAD	WIND
10 FT.	75 sq. ft.	70 MPH
20 FT.	43 sq. ft.	70 MPH
30 FT.	26 sq. ft.	70 MPH
40 FT.	15 sq. ft.	70 MPH
50 FT.	6.5 sq. ft.	70 MPH

The chart above shows safe height levels for self supporting 45G towers.

HBUTVRO $229

Rohn universal house bracket.

GA55GD $239

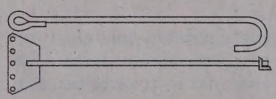
The Rohn GA55GD is a guy assembly, used to attach guy wires to 55G tower.

GAR30 Anchor $39

Concrete guy anchor rod, 5/8" diameter, 84" long.

GAC3455 Anchor $129

Heavy duty concrete anchor, 3/4" diameter with an attached 5 hole single equalizer plate.



EP25343 ..... $36
EP25345 ..... $49

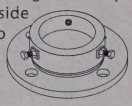
Dual equalizer plates that allow the connection three (EP25343) or five (EP25345) guy wires to a single GAR30 anchor rod.

BPL55G $499

The Rohn BPL55G is a top plate for 55G tower. It is pre-drilled to accept the TB-3 or TB-4 thrust bearings, and has integrated tabs for attaching guy wires.

TB3 ..... $149
TB4 ..... $169

The TB3 thrust bearing will accept masts with an outside diameter of 1.75 to 2 inches, TB4 accepts masts 2.75 to 3 inches. They are self lubricating, and come with mast bolts and mounting hardware.



AS455G $119

Rotor plate, predrilled to accept Hygain and Yaesu rotator patterns.

SAFETY BELTS

Miller Safety Belts

Miller safety belts are constructed of heavy duty webbed nylon. They feature steel reinforced eyelets to prevent enlargement, and are equipped with a heavy duty D-ring on both sides for connecting the supplied lanyard. The lanyard is constructed of heavy nylon rope with safety latches on each end. These belts are very light and comfortable, providing many years of safe use. Since they are constructed of nylon there is no danger of leather rot.

WARNING:

Leather safety belts will eventually rot, causing the belt to break! Leather belts should be inspected very carefully for signs of deterioration. ***We strongly recommend against the use of leather safety belts.***

MILLER SAFETY BELTS		
SIZE	WAIST	PRICE
SMALL	32–40"	$119.95
MEDIUM	36–44"	$119.95
LARGE	39–44"	$119.95
X-LARGE	44–52"	$119.95

STEEL MASTS

High Carbon Steel Masts

We carry a complete line of extremely strong, high carbon steel, 2" outside diameter antenna masts. The typical yield strength of our steel mast material is 87,000 psi! We purchase the steel directly from the mill and have it hot dip galvanized—inside and out, to resist rust and corrosion. The result is an antenna mast capable of handling the largest antenna systems, offering many years of trouble free service.

WARNING:

Don't be fooled by claims of aluminum mast that are as strong as steel. The typical yield strength of our high carbon steel masts is 87,000 psi—more than twice the 40,000 yield strength of 6061-T6 aluminum tubing.

2" O.D. STEEL MASTS			
LENGTH	.12"	.18"	.25"
5'	$59	$89	$129
10'	—	$179	$239
11'	$129	—	—
16'	—	$279	—
17'	$199	—	—
20'	—	—	$469
21'	—	$369	—
23'	$269	—	—

STEEL MASTS

TECH Note

Mast Selection

The engineering mathematics required for rigorous mast analysis can be quite involved, and down right intimidating. There are some assumptions and approximations that can be made to greatly simplify the process, and remove the need for a slide rule and pocket protector.

A couple of fundamentals need to be defined and understood. First, when the wind blows on an object such as an antenna, a force, measured in pounds is produced. Hams commonly use a round mast to support an antenna. The mast is supported at the lower end, typically by a thrust bearing. One or more antennas are fastened to the mast at some distance above the support point. This distance, measured in feet, multiplied by the above mentioned force, in pounds, creates a "bending force", expressed in foot-pounds.

Secondly, the amount of force required to bend a given mast is referred to as the "safe moment of restraint", also expressed in foot-pounds, and should never be reached or exceeded.

Every component of the antenna system has an associated force (in pounds) and distance above the safe point of restraint (in feet). The total bending force on a mast is the sum of all foot-pound products for each antenna, as well as for the mast itself, and any attached transmission lines.

Many antenna manufacturers specify the projected area of their antennas in square feet. Most locations can experience wind speeds of up to 90 MPH, which will produce a force of 33 pounds per square foot of surface area. An antenna of six square feet will therefore have an associated load of 198 pounds:

$$33 * 6 = 198$$

If this antenna is mounted five feet above the support point (the bearing), the total bending force created would be: 990 foot/pounds:

$$198 \times 5 = 990$$

To provide a safety margin, we should multiply the total bending force by 1.5 and make our mast selection on that basis. In the example above, with a single antenna, our mast selection should have a minimum safe moment of restraint of 1485 foot/pounds:

$$990 * 1.5 = 1485$$

Referring to the table below, we can see that even .25" wall aluminum tubing isn't quite strong enough to support our antenna. We can also see that regular water pipe would be woefully inadequate. However, even our thinnest galvanized 1026 steel mast would be more than adequate.

MAST MATERIAL YIELD AND SAFE LOAD CHART			
MATERIAL	WALL	YIELD	SAFE LOAD
1026 steel (2" O.D.)	.12"	2000 ft./lbs.	1500 ft./lbs.
1026 steel (2" O.D.)	.18"	3000 ft./lbs.	2250 ft./lbs.
1026 steel (2" O.D.)	.25"	3500 ft./lbs.	2625 ft./lbs.
aluminum (2" O.D.)	.12"	1000 ft./lbs.	750 ft./lbs.
aluminum (2" O.D.)	.25"	1800 ft./lbs.	1350 ft./lbs.
water pipe (1.9")	.14"	700 ft./lbs.	525 ft./lbs.

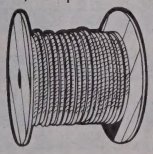
TOWER HARDWARE

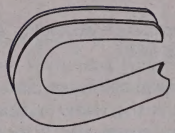
ROHN GUY WIRE

1/4" EHS x 1000'.....$299
1/4" EHS x 500'.....$159
1/4" EHS x 250'.....$109
1/4" EHS x 100'.....$49

3/16" EHS x 1000'.....$239
3/16" EHS x 500'.....$129
3/16" EHS x 250'.....$99
3/16" EHS x 100'.....$39

Genuine Rohn 1/4" EHS and 3/16" EHS guy wire. Breaking strength for 3/16" EHS is rated at 3,990 pounds, 1/4" EHS is rated at 6,000 pounds.

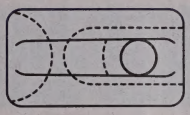




THIMBLES

1/4" Thimble .....$.75
5/16" Thimble $1.35
3/8" Thimble $1.45
7/16" Thimble $2.35
1/2" Thimble $2.95

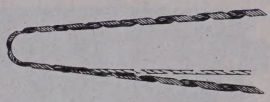
Galvanized steel thimbles are used to support guy wire as it enters a turnbuckle or guy assembly, to prevent the guy wire from being damaged. When terminating guy wire with cable clamps, the next larger size thimble should be selected. (For 3/16" EHS, use a 1/4" thimble.) When terminating guy wire with Preformed Big Grips™, a thimble two sizes larger than the grip should be used. (A 3/16" grip should use a 5/16" thimble, while a 1/4" grip would require a 3/8" thimble.



GUY INSULATORS

500D $2.95
502 ..... $5.50
504 ..... $7.50

Guy insulators are used to isolate guy wires into non-resonant lengths. The 500D can be used with 3/16" EHS guy wire, when terminated with cable clamps. The 502 is required for 1/4" EHS guy wire, or when using preformed grips with either guy wire size. The 504 is used with larger guy wire sizes or for heavy duty applications. All models are compression style, so if the insulator fails, the guy wires are still connected. Complete guy line isolation can only be achieved with a nonconducting guy material, like Phillystran, features elsewhere in this catalog.



PREFORMED GUY GRIPS

3/16" Big Grip™ $5.00
1/4" Big Grip™ $6.00
5/16" Big Grip™ $6.95

Preformed guy grips are used to quickly and securely terminate guy wires, replacing traditional cable clamps. They are much quicker and easier to install than cable clamps, are more secure, too.

GC65303, 3/16" Sleeve.... $1.65
GC65136, 1/4" Sleeve..... $1.95
GC65128, 5/16" Sleeve.... $2.10

We recommend the use of end sleeve on all Preformed Big Grip™ installations. Split design simply twists on the end of the grip, ensuring it does not unravel from the guy wire. Absolutely required in ice-prone locations.

TOWER HARDWARE

TURNBUCKLES

3/8" x 6" Eye-Eye.....$15
3/8" x 6" Eye-Jaw $16

Recommended for tensioning 3/16" EHS guy wire. Breaking strength is 6,000 pounds.

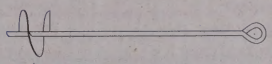
1/2" x 9" Eye-Eye.....$21
1/2" x 9" Eye-Jaw $23
1/2" x 12" Eye-Eye.....$24
1/2" x 12" Eye-Jaw $26

Recommended for tensioning 1/4" EHS guy wire. Breaking strength is 11,000 pounds. The 12" models more take-up than the 9" models, but the breaking strength rating is the same.

5/8" x 12" Eye-Eye.....$30
5/8" x 12" Eye-Jaw $32

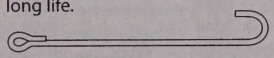
Recommended for tensioning 5/16" EHS guy wire. Breaking strength is 17,500 pounds.

GUY ANCHORS



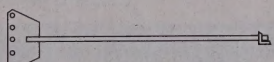
GAS604..... $59

The Rohn GAS604 is an earth screw guy anchor. Heavy duty 5/8" shank is four feet long, with 6" auger. Hot-dipped galvanized finish for long life.



GAR30..... $39

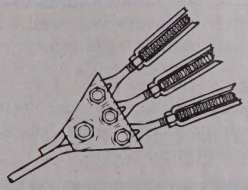
The Rohn GAR30 is a concrete guy anchor rod. Heavy duty 5/8" diameter shank, 84" long. Hot-dipped galvanized for long life.



GAC3455..... $129

The Rohn GAC3455 is a super heavy duty concrete guy anchor. Large 3/4" diameter shank with an integral heavy duty 5-hole single equalizer plate.

EQUALIZER PLATES



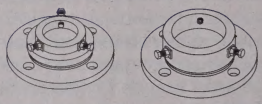
EP25343..... $36

The Rohn EP25343 is a dual equalizer plate used for attaching multiple turnbuckles to a single guy anchor. Works well with the GAS604 and GAR30 guy anchors described on this page. Dual plate design is sandwiched over the anchor rod and up to three turnbuckles can be inserted into the opposite end of the plate. Includes all mounting bolts. Hot-dipped galvanized for long life.

EP25345..... $49

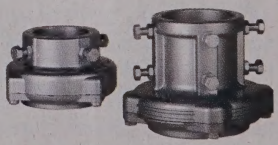
Five-hole version of the EP25343, described above. Will accept up to five turnbuckles.

THRUST BEARINGS



TB3, 1.75–2" I.D. $149
TB4, 2.75–3" I.D. $169

Heavy-duty, self-lubricating thrust bearings, by Rohn. Supplied with mast set bolts, and mounting hardware.



GS-050, 1.25–2" I.D. $39
GS-065, 1.5–2.5" I.D. $59

These Yaesu thrust bearings are an incredible value! Highly recommended for use with Glen Martin aluminum roof towers, and other similar products. They also work well with moderate sized towers.

TIMES MICROWAVE SYSTEMS

LMR® COAX

There is now a better coax choice than 9913, 9913 Flex, RG-213/U, or RG-8. The Times Microwave Systems LMR® coax line offers several different high-tech, ultra low loss 50 Ohm coaxial cables utilizing a closed cell foam dielectric with a much higher velocity factor allowing larger center conductor sizes for lower loss.

The closed cell foam construction also keeps the center conductor centered, even around tight bends. This keeps the characteristic impedance at 50 Ohms, unlike 9913 which allows the center conductor to shift position and impedance, degrading VSWR performance.

The closed cell foam dielectric prevents the water migration problems so prevalent in the 9913 type cables. These old designs have air space within the dielectric allowing water vapor condensation to occur, collect, and travel inside the cable, ruining the loss and VSWR characteristics.

These new Times Microwave LMR® cables offer a 100% double shield made up of a tough aluminum laminated tape bonded to the dielectric, followed by a tinned copper braided shield for added strength and easy connector installation. Unlike RG-8, RG-213/U, and other types of braided shield coaxes, the bonded shield prevents water migration between the shield and the dielectric.

Finally, Times Microwave LMR® cables have a tough black polyethylene jacket to offer protection from abrasion and U-V breakdown.

COAX SPECIFICATIONS

COAX TYPE	DB LOSS PER 100 FT.				DIRECT BURY	CENTER CONDUCTOR	VELOCITY FACTOR	BENDING RADIUS	OUTSIDE DIAMETER	SHIELD COVERAGE	COST PER FOOT
	10m	2m	70cm	23cm							
8X MINI	2.00	4.00	7.00	—	NO	.051" stranded	78%	3/4"	.240"	95%	$.35
RG-213/U	1.30	3.00	5.80	11.50	NO	.089" stranded	66%	1"	.405"	98%	$.69
LMR-240	1.30	3.00	5.30	9.50	NO	.056" solid	84%	3/4"	.240"	100%	$.59
LMR-400	.70	1.50	2.70	4.90	NO	.109" solid	85%	1"	.405"	100%	$.69
LMR-400UF	.80	1.80	3.20	5.70	NO	.109" stranded	85%	1"	.405"	100%	$.99
LMR-400DB	.70	1.50	2.70	4.90	YES	.109" solid	85%	1"	.405"	100%	$.99
LMR-500UF	.50	1.30	2.40	4.50	NO	.142" stranded	85%	1-1/4"	.500"	100%	$1.59
LMR-600	.42	.96	1.72	3.20	NO	.176" solid	87%	1-1/2"	.590"	100%	$1.39
LMR-600UF	.50	1.20	2.10	3.50	NO	.176" stranded	87%	1-1/2"	.590"	100%	$2.19

TEX-COM

RG-213/U Coax..... $.69/ft.
Military-spec version of RG-8U, features improved shielding, electrically stable polyethylene dielectric and a noncontaminating outer jacket for long life. Compare with Belden #8267.

8X MINI Coax ..... $.35/ft.
Mini RG-8U coax offers foam dielectric, 95% shield, and black non-contaminating outer jacket for long life.

R81 Rotor Cable..... $.49/ft.
Standard duty 8 conductor, 2-#18 and 6-#22 with black jacket. For Hygain rotors at lengths to 125'.

R82 Rotor Cable..... $.69/ft.
Heavy duty 8 conductor, 2-#16 and 6-#20 with black jacket. For Hygain rotors at lengths to 200'.

R83 Rotor Cable..... $.89/ft.
Extra heavy duty 8 conductor, 2-#14 and 6-#18 with black jacket. For use with Hygain rotators at lengths up to 300 feet.

R84 Rotor Cable..... $1.19/ft.
Extra heavy duty 8 conductor, 2-#12 & 6-#16 with black jacket. For Hygain rotors at lengths to 500'

R62 Rotor Cable..... $.49/ft.
Heavy duty 6 conductor , 6-#18 with black outer jacket. For use with all Yaesu rotators.

COAX CONNECTORS

PL-259ST, UHF Male..... $2.49
All silver construction with Teflon insulation. Fits RG-8/U, RG-213/U, 9913, and LMR-400.

9913NMC, N Male $4.95
Compression style connector with all silver construction and Teflon insulation. Designed for LMR-400 and 9913, also works with RG-8/U and RG-213/U.

9913NMS, N Male $4.95
Solder type connector with silver-Teflon construction. Designed for LMR-400 and 9913, also works with RG-8/U and RG-213/U.

COAX ADAPTERS

N-F/F $5.95
N-M/BNC-F..... $5.95
N-M/UHF-F..... $5.95
SMA-M/BNC-F $8.95
SMA-M/UHF-F $8.95
UHF-F/BNC-M (UG-255)... $3.95
UHF-F BULKHEAD $5.95
UHF-F/F (PL-258)..... $2.50
UHF-M/M $4.95
UHF-M/N-F..... $5.95
UHF RIGHT ANGLE $4.95

TIMES LMR® CONNECTORS

LMR-400 CONNECTORS

TC400NFC, "N" female.....$12.50
TC400NMC, "N" male.....$10.00

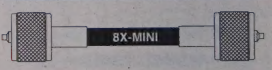
LMR-500 CONNECTORS

TC500NFC, "N" female $26
TC500NMC, "N" male $22

LMR-600 CONNECTORS

TC600716MC, DIN male $39
TC600NFC, "N" female $26
TC600NMC, "N" male $20
TC600UMC, UHF male..... $29

COAX JUMPERS



8X-MINI COAX JUMPERS		
MODEL	LENGTH	COST
8X-1C	1 FT.	$26.95
8X-2C	2 FT.	$27.95
8X-3C	3 FT.	$28.95
8X-6C	6 FT.	$30.95
8X-12C	12 FT.	$31.95
8X-18C	18 FT.	$32.95
8X-25C	25 FT.	$35.95
8X-50C	50 FT.	$42.95
8X-75C	75 FT.	$54.95
8X-100C	100 FT.	$59.95

RG-213/U COAX JUMPERS		
MODEL	LENGTH	COST
213-1C	1 FT.	$24.95
213-2C	2 FT.	$25.95
213-3C	3 FT.	$26.95
213-6C	6 FT.	$28.95
213-12C	12 FT.	$32.95
213-25C	25 FT.	$39.95
213-50C	50 FT.	$52.95
213-75C	75 FT.	$79.95
213-100C	100 FT.	$89.95

UNIVERSAL TOWER

Universal Towers

These versatile aluminum self supporting Universal Towers are available in heights of 30 to 10 feet. A series of 12 different 10 foot sections varying in face width from 11 to 26 inches, comprise 50 models.

The aluminum construction makes these towers extremely lightweight for easy installation, yet they are rugged, and have a permanently rust-free finish. All Universal Tower base assemblies are constucted of steel for this high stress area of the tower. The steel base also prevents concrete corrosion of the aluminum tower legs.

The 12 tower sections are also available separately for special or custom engineered applications.

B-14 Series

The B-14 series is made up of a single 30' model, supporting 4.5 square feet of antenna load at 80 MPH.

4-30 ..... $389
B-14, Hinged Base..... $79
R-11, Rotor Plate..... $39

The Universal 4-30 is a 30' self supporting tower, which will support 4.5 square feet of antenna load at 80 MPH (2.5 square feet at 100 MPH, 1.5 square feet at 110 MPH). It's a very popular choice for large TV or wireless internet antennas. It requires the B-14 or RFM-14 base. Must specify top section tube diameter to fit 1-1/4", 1-1/2" or 2" mast. Shipped directly from the factory to save you money. Please call for freight charges.

height	30 feet
wind load capacity	4.5 sq. ft. @ 80 MPH
bottom / top diameter	14" / 11"
base / rotor plate	B-14 / R-11
concrete footing	28" x 28" x 4' D; .5 cu. yds.
weight	38 pounds

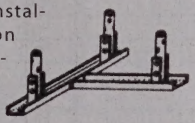
UNIVERSAL TOWER OPTIONS

B-14, Hinged Base $79
B-18, Hinged Base $79
B-22, Hinged Base $135
B-26, Hinged Base $165
B-30, Hinged Base $239

Universal hinged bases are constructed of high strength steel to eliminate possible concrete corrosion problems.

RFM-14, Roof Mount..... $59
RFM-18, Roof Mount..... $89
RFM-22, Roof Mount..... $129
RFM-26, Roof Mount..... $169
RFM-30, Roof Mount..... $239

Universal flat roof mounts allow tower installation on any suitable flat roof. All tower models require guying when used with one of the RFM bases!



R-11, Rotor Plate $39
R-14, Rotor Plate $59
R-18, Rotor Plate $79

Pre-drilled for Hygain and Yaesu rotor Bolt in design allows them to be mounted anywhere within the top section.

SC-4B, Bearing..... $129

With 2.188 inch inside diameter for masts measuring up to 2-3/16" outside diameter.

Top Plate Option..... $30

Factory welded (must be ordered and installed with tower) to the top section. Allows easy mounting of the optional SC-4B thrust bearing.

UNIVERSAL TOWER

B-18 Series

The Universal B-18 series is made up of 5 different tower models ranging in height from 30 to 50 feet. Antenna wind load capacities range from 3.5 to 12 square feet at 80 MPH. The chart below shows wind load capacity for 100 MPH and 110 MPH wind zones as well. All models require either the B-18 or RFM-18 base. The required concrete footing size is 3' x 3' square, by 4' deep; 1.3 cubic yards. All Universal towers are drop shipped directly from the factory to save you money. Please call us for freight charges.

4-40 ..... $669
B-18, Hinged Base..... $79
R-11, Rotor Plate..... $39

The Universal 4-40 is a 40 foot self supporting tower, which will support 4.5 square feet of antenna wind load at 80 MPH (2.5 square feet at 100 MPH, 1.5 square feet at 110 MPH). It's a very popular choice for large TV antennas and wireless internet applications. The tower requires either the B-18 or RFM-18 base. When ordering, please be sure to specify top section tube diameter to fit either 1-1/4", 1-1/2" or 2" mast. Shipped directly from the factory. Please call us for freight charges.

4-50 ..... $939
B-18, Hinged Base..... $79
R-11, Rotor Plate..... $39

The Universal 4-50 is a 50 foot self supporting tower, which will support 3.5 square feet of antenna wind load at 80 MPH (or 1.5 square feet at 100 MPH). It's a very popular choice for large TV antennas and wireless internet applications. The tower requires either the B-18 or RFM-18 base. When ordering, please be sure to specify the top section tube diameter to fit either 1-1/4", 1-1/2" or 2" mast. Shipped directly from the factory. Please call us for freight charges.

9-30 ..... $539
B-18, Hinged Base..... $79
R-11, Rotor Plate..... $39

The Universal 9-30 is a 30 foot self supporting tower, which will support 9 square feet of antenna wind load at 80 MPH (6.5 square feet at 100 MPH, 5 square feet at 110 MPH). It's a popular choice for small to medium sized VHF/UHF arrays. The tower requires either the B-18 or RFM-18 base. When ordering, please be sure to specify the top section tube diameter to fit either 1-1/4", 1-1/2" or 2" mast. Shipped directly from the factory. Please call us for freight charges.

UNIVERSAL B-18 SERIES SELF SUPPORTING ALUMINUM TOWER SPECIFICATIONS

TOWER MODEL	HEIGHT	BOTTOM WIDTH	BASE MODEL	TOP WIDTH	ROTOR PLATE	WIND LOAD CAPACITY 80 MPH	WIND LOAD CAPACITY 100 MPH	WIND LOAD CAPACITY 110 MPH	WEIGHT	BASE FOOTING	BASE AREA	DISCOUNT PRICE
4-40	40'	18"	B-18	11"	R-11	4.5 sq. ft.	2.5 sq. ft.	1.5 sq. ft.	68 lbs.	3'x3'x4'D	1.3 cu. yds.	$669
4-50	50'	18"	B-18	11"	R-11	3.5 sq. ft.	1.5 sq. ft.	—	97 lbs.	3'x3'x4'D	1.3 cu. yds.	$939
7-40	40'	18"	B-18	14"	R-14	7 sq. ft.	4 sq. ft.	2.5 sq. ft.	85 lbs.	3'x3'x4'D	1.3 cu. yds.	$829
9-30	30'	18"	B-18	11"	R-11	9 sq. ft.	6.5 sq. ft.	5 sq. ft.	55 lbs.	3'x3'x4'D	1.3 cu. yds.	$539
12-30	30'	18"	B-18	14"	R-14	12 sq. ft.	8 sq. ft.	5.5 sq. ft.	72 lbs.	3'x3'x4'D	1.3 cu. yds.	$699

UNIVERSAL TOWER

B-22 Series

The B-18 series is made up of 11 models ranging from 30 to 70 feet. Wind load capacities range from 3 to 23 square feet at 80 MPH. The chart below shows wind load capacity for 100 and 110 MPH wind zones. All models use the B-22 or RFM-22 base. Required concrete footing size is 3' by 3' square, by 4' deep; 1.3 cubic yards. Shipped directly from the factory to save you money.

4-60 ..... $1339
B-22, Hinged Base..... $135
R-11, Rotor Plate..... $39

The Universal 4-60 is a 60' self supporting tower, which will support 3.5 square feet of antenna load at 80 MPH (1.5 square feet at 100 MPH). Must specify top section tube diameter to fit either 1-1/4", 1-1/2" or 2" mast. Shipped directly from the factory to save you money. Please call for freight charges.

9-40 ..... $929
B-22, Hinged Base..... $135
R-11, Rotor Plate..... $39

The Universal 9-40 is a 40' self supporting tower, which will support 9 square feet of antenna load at 80 MPH (6.5 sq. ft. at 100 MPH, 5 sq. ft. at 110 MPH). Specify top section tube diameter for 1-1/4", 1-1/2" or 2" mast. Ships directly from the factory to save you money. Please call for freight charges.

6-60 ..... $1639
B-22, Hinged Base..... $135
R-14, Rotor Plate..... $59

The Universal 6-60 is a 60' self supporting tower, which will support 6 square feet of antenna load at 80 MPH (2.5 sq. ft. at 100 MPH, .5 sq. ft. at 110 MPH). Specify top section tube diameter to fit 1-1/4", 1-1/2" or 2" mast. Ships directly from the factory to save you money. Call for freight charges.

UNIVERSAL B-22 SERIES SELF SUPPORTING ALUMINUM TOWER SPECIFICATIONS

TOWER MODEL	HEIGHT	BOTTOM WIDTH	BASE MODEL	TOP WIDTH	ROTOR PLATE	WIND LOAD CAPACITY			WEIGHT	BASE FOOTING	BASE AREA	DISCOUNT PRICE
						80 MPH	100 MPH	110 MPH				
3-70	70'	22"	B-22	11"	R-11	3 sq. ft.	.5 sq. ft.	—	165 lbs.	4'x4'x4'D	2.4 cu. yds.	$1739
4-60	60'	22"	B-22	11"	R-11	3.5 sq. ft.	1.5 sq. ft.	—	131 lbs.	4'x4'x4'D	2.4 cu. yds.	$1339
5-50	50'	22"	B-22	11"	R-11	4.5 sq. ft.	2.5 sq. ft.	1.5 sq. ft.	101 lbs.	4'x4'x4'D	2.4 cu. yds.	$1069
6-60	60'	22"	B-22	14"	R-14	6 sq. ft.	2.5 sq. ft.	.5 sq. ft.	153 lbs.	4'x4'x4'D	2.4 cu. yds.	$1639
7-50	50'	22"	B-22	11"	R-11	7 sq. ft.	4 sq. ft.	2.5 sq. ft.	118 lbs.	4'x4'x4'D	2.4 cu. yds.	$1199
9-40	40'	22"	B-22	11"	R-11	9.5 sq. ft.	6.5 sq. ft.	5 sq. ft.	89 lbs.	4'x4'x4'D	2.4 cu. yds.	$929
9-50	50'	22"	B-22	11"	R-11	9 sq. ft.	6.5 sq. ft.	5 sq. ft.	123 lbs.	4'x4'x4'D	2.4 cu. yds.	$1329
12-40	40'	22"	B-22	14"	R-14	12 sq. ft.	8 sq. ft.	5.5 sq. ft.	106 lbs.	4'x4'x4'D	2.4 cu. yds.	$1099
15-40	40'	22"	B-22	14"	R-14	15 sq. ft.	10 sq. ft.	7 sq. ft.	111 lbs.	4'x4'x4'D	2.4 cu. yds.	$1229
21-30	30'	22"	B-22	14"	R-14	21 sq. ft.	15 sq. ft.	11.5 sq. ft.	77 lbs.	4'x4'x4'D	2.4 cu. yds.	$829
23-30	30'	22"	B-22	18"	R-18	23 sq. ft.	16 sq. ft.	12 sq. ft.	99 lbs.	4'x4'x4'D	2.4 cu. yds.	$1099

UNIVERSAL TOWER

B-26 Series

Made up of 13 models ranging from 30 to 90 feet. Wind load capacities range from 1.5 to 34.5 sq. ft. at 80 MPH. The chart shows wind load capacity for 100 and 110 MPH wind zones. All models use the B-26 or RFM-26 base. Required concrete size is 3' by 3' square, by 4' deep; 1.3 cubic yards. Ships directly from the factory.

9-60 ..... $1839
B-26, Hinged Base $165
R-11, Rotor Plate $39

The 9-60 is a 60' self supporting tower, which supports 9 square feet at 80 MPH (6.5 sq. ft. at 100 MPH, 4 sq. ft. at 110 MPH). Specify top section tube diameter to fit 1-1/4", 1-1/2" or 2" mast. Ships directly from the factory to save you money. Call for freight charges.

23-40 ..... $1619
B-26, Hinged Base $165
R-18, Rotor Plate $79

The 23-40 is a 40' self supporting tower, which will support 23 square feet at 80 MPH (15.5 sq. ft. at 100 MPH, 11 sq. ft. at 110 MPH). Specify top section tube diameter to fit 1-1/4", 1-1/2" or 2" mast. Ships directly from the factory. Call for freight charges.

21-40 ..... $1349
B-26, Hinged Base $165
R-14, Rotor Plate $59

The 21-40 is a 40' self supporting tower, which will support 21 square feet at 80 MPH (15 sq. ft. at 100 MPH, 11.5 sq. ft. at 110 MPH). Specify top section tube diameter to fit 1-1/4", 1-1/2" or 2" mast. Ships directly from the factory. Call for freight charges.

UNIVERSAL B-26 SERIES SELF SUPPORTING ALUMINUM TOWER SPECIFICATIONS

TOWER MODEL	HEIGHT	BOTTOM WIDTH	BASE MODEL	TOP WIDTH	ROTOR PLATE	WIND LOAD CAPACITY			WEIGHT	BASE FOOTING	BASE AREA	DISCOUNT PRICE
						80 MPH	100 MPH	110 MPH				
2-90	90'	26"	B-26	11"	R-11	—	1.5 sq. ft.	—	259 lbs.	4.5'x4.5'x4.5'D	3.4 cu. yds.	$2729
3-80	80'	26"	B-26	11"	R-11	3 sq. ft.	.5 sq. ft.	—	212 lbs.	4.5'x4.5'x4.5'D	3.4 cu. yds.	$2319
4-70	70'	26"	B-26	11"	R-11	4.5 sq. ft.	2.5 sq. ft.	1.5 sq. ft.	195 lbs.	4.5'x4.5'x4.5'D	3.4 cu. yds.	$2089
4-80	80'	26"	B-26	14"	R-14	4 sq. ft.	.5 sq. ft.	—	247 lbs.	4.5'x4.5'x4.5'D	3.4 cu. yds.	$2659
6-70	70'	26"	B-26	14"	R-14	6 sq. ft.	3 sq. ft.	1 sq. ft.	200 lbs.	4.5'x4.5'x4.5'D	3.4 cu. yds.	$2139
7-60	60'	26"	B-26	11"	R-11	7 sq. ft.	4 sq. ft.	2.5 sq. ft.	165 lbs.	4.5'x4.5'x4.5'D	3.4 cu. yds.	$1719
7-70	70'	26"	B-26	11"	R-11	7 sq. ft.	3.5 sq. ft.	1 sq. ft.	212 lbs.	4.5'x4.5'x4.5'D	3.4 cu. yds.	$2219
9-60	60'	26"	B-26	11"	R-11	9 sq. ft.	6.5 sq. ft.	4 sq. ft.	170 lbs.	4.5'x4.5'x4.5'D	3.4 cu. yds.	$1839
15-50	50'	26"	B-26	14"	R-14	15 sq. ft.	10 sq. ft.	7 sq. ft.	158 lbs.	4.5'x4.5'x4.5'D	3.4 cu. yds.	$1729
16-50	50'	26"	B-26	14"	R-14	16.5 sq. ft.	10.5 sq. ft.	7 sq. ft.	171 lbs.	4.5'x4.5'x4.5'D	3.4 cu. yds.	$1829
21-40	40'	26"	B-26	14"	R-14	21 sq. ft.	15 sq. ft.	11.5 sq. ft.	124 lbs.	4.5'x4.5'x4.5'D	3.4 cu. yds.	$1349
23-40	40'	26"	B-26	18"	R-18	23 sq. ft.	15.5 sq. ft.	11 sq. ft.	146 lbs.	4.5'x4.5'x4.5'D	3.4 cu. yds.	$1619
35-30	30'	26"	B-26	18"	R-18	34.5 sq. ft.	25 sq. ft.	19 sq. ft.	112 lbs.	4.5'x4.5'x4.5'D	3.4 cu. yds.	$1239

UNIVERSAL TOWER

B-30 Series

The Universal B-30 series is made up of 19 different heavy duty tower models ranging in height from 40 to 100 feet. Wind load capacities range from 4 to 35 square feet at 110 MPH. All models require either the B-30 or RFM-30 base. The required concrete footing size is 5' by 5' square, by 6' deep; 5.6 cubic yards. Shipped directly from the factory to save you money. Please call for freight charges.

HD9-80 ..... $3079
B-30, Hinged Base..... $239
R-11, Rotor Plate..... $39

The Universal HD9-80 is a heavy duty 80 foot self supporting tower, which will support 9.3 square feet of antenna wind load at 110 MPH. When ordering, please specify top section sleeve diameter to fit either 1-1/4", 1-1/2" or 2" mast. Shipped directly from the factory to save you money. Please call us for shipping charges.

HD9-60 ..... $2049
B-30, Hinged Base..... $239
R-11, Rotor Plate..... $39

The Universal HD9-60 is a heavy duty 60 foot self supporting tower, which will support 9.3 square feet of antenna wind load at 110 MPH. When ordering, please specify top section sleeve diameter to fit either 1-1/4", 1-1/2" or 2" mast. Shipped directly from the factory to save you money. Please call us for shipping charges.

HD8-80 ..... $2939
B-30, Hinged Base..... $239
R-11, Rotor Plate..... $39

The Universal HD8-80 is a heavy duty 80 foot self supporting tower, which will support 7.3 square feet of antenna wind load at 110 MPH. When ordering, please specify top section sleeve diameter to fit either 1-1/4", 1-1/2" or 2" mast. Shipped directly from the factory to save you money. Please call us for shipping charges.

UNIVERSAL B-30 SERIES SELF SUPPORTING ALUMINUM TOWER SPECIFICATIONS

TOWER MODEL	HEIGHT	BOTTOM WIDTH	BASE MODEL	TOP WIDTH	ROTOR PLATE	WIND LOAD (110 MPH)	WEIGHT	BASE FOOTING	BASE AREA	DISCOUNT PRICE
HD4-90	90'	30"	B-30	11"	R-11	4.4 sq. ft.	296 lbs.	5'x5'x6'D	5.6 cu. yds.	$3069
HD4-100	100'	30"	B-30	11"	R-11	4.3 sq. ft.	413 lbs.	5'x5'x6'D	5.6 cu. yds.	$4079
HD8-70	70'	30"	B-30	11"	R-11	7.1 sq. ft.	231 lbs.	5'x5'x6'D	5.6 cu. yds.	$2599
HD8-80	80'	30"	B-30	11"	R-11	7.3 sq. ft.	283 lbs.	5'x5'x6'D	5.6 cu. yds.	$2939
HD8-90	90'	30"	B-30	14"	R-14	7.2 sq. ft.	350 lbs.	5'x5'x6'D	5.6 cu. yds.	$3619
HD8-100	100'	30"	B-30	14"	R-14	7.5 sq. ft.	435 lbs.	5'x5'x6'D	5.6 cu. yds.	$4369
HD9-60	60'	30"	B-30	11"	R-11	9.3 sq. ft.	202 lbs.	5'x5'x6'D	5.6 cu. yds.	$2049
HD9-80	80'	30"	B-30	11"	R-11	9.3 sq. ft.	302 lbs.	5'x5'x6'D	5.6 cu. yds.	$3079
HD11-80	80'	30"	B-30	14"	R-14	10.8 sq. ft.	337 lbs.	5'x5'x6'D	5.6 cu. yds.	$3469
HD11-90	90'	30"	B-30	14"	R-14	10.8 sq. ft.	403 lbs.	5'x5'x6'D	5.6 cu. yds.	$4099

UNIVERSAL TOWER

HD35-40 ..... $1829
B-30, Hinged Base..... $239
R-18, Rotor Plate..... $79

The Universal HD35-40 is a heavy duty 40 foot self supporting tower, which will support 34.5 square feet of antenna wind load at 110 MPH. When ordering, please be sure specify top section sleeve diameter to fit either 1-1/4", 1-1/2" or 2" mast. Shipped directly from the factory to save you money. Please call us for shipping charges.

HD21-70 ..... $3219
B-30, Hinged Base..... $239
R-14, Rotor Plate..... $59

The Universal HD21-70 is a heavy duty 70 foot self supporting tower, which will support 21.1 square feet of antenna wind load at 110 MPH. When ordering, please be sure specify top section sleeve diameter to fit either 1-1/4", 1-1/2" or 2" mast. Shipped directly from the factory to save you money. Please call us for shipping charges.

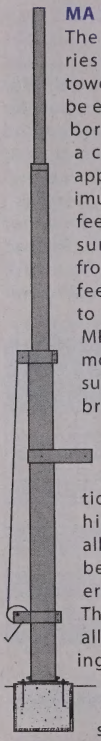
HD21-60 ..... $2589
B-30, Hinged Base..... $239
R-14, Rotor Plate..... $59

The Universal HD21-60 is a heavy duty 60 foot self supporting tower, which will support 21.1 square feet of antenna wind load at 110 MPH. When ordering, please be sure specify top section sleeve diameter to fit either 1-1/4", 1-1/2" or 2" mast. Shipped directly from the factory to save you money. Please call us for shipping charges.

HD21-50 ..... $1939
B-30, Hinged Base..... $239
R-14, Rotor Plate..... $59

The Universal HD21-50 is a heavy duty 50 foot self supporting tower, which will support 21.1 square feet of antenna wind load at 110 MPH. When ordering, please be sure specify top section sleeve diameter to fit either 1-1/4", 1-1/2" or 2" mast. Shipped directly from the factory to save you money. Please call us for shipping charges.

TOWER MODEL	HEIGHT	BOTTOM WIDTH	BASE MODEL	TOP WIDTH	ROTOR PLATE	WIND LOAD (110 MPH)	WEIGHT	BASE FOOTING	BASE AREA	DISCOUNT PRICE
HD12-70	70'	30"	B-30	14"	R-14	11.9 sq. ft.	285 lbs.	5'x5'x6'D	5.6 cu. yds.	$2839
HD12-80	80'	30"	B-30	14"	R-14	11.9 sq. ft.	351 lbs.	5'x5'x6'D	5.6 cu. yds.	$3469
HD16-60	60'	30"	B-30	14"	R-14	16.4 sq. ft.	237 lbs.	5'x5'x6'D	5.6 cu. yds.	$2449
HD16-80	80'	30"	B-30	14"	R-14	15.7 sq. ft.	369 lbs.	5'x5'x6'D	5.6 cu. yds.	$3699
HD17-70	70'	30"	B-30	14"	R-14	16.4 sq. ft.	303 lbs.	5'x5'x6'D	5.6 cu. yds.	$3079
HD21-50	50'	30"	B-30	14"	R-14	21.1 sq. ft.	190 lbs.	5'x5'x6'D	5.6 cu. yds.	$1939
HD21-60	60'	30"	B-30	14"	R-14	21.1 sq. ft.	256 lbs.	5'x5'x6'D	5.6 cu. yds.	$2589
HD21-70	70'	30"	B-30	14"	R-14	21.1 sq. ft.	322 lbs.	5'x5'x6'D	5.6 cu. yds.	$3219
HD35-40	40'	30"	B-30	18"	R-18	34.5 sq. ft.	178 lbs.	5'x5'x6'D	5.6 cu. yds.	$1829



MA SERIES

The US Tower MA series crank up tubular towers are designed to be efficient and neighbor friendly, offering a clean, flagpole like appearance with maximum heights up to 85 feet. Maximum wind surface area ranges from 15.3 to 22 square feet at 50 MPH (5.5 to 9 square feet at 70 MPH), depending on model. All models are supplied with a house bracket, but can be installed self-supporting when used with the optional MAB or MARB hinged bases, also allowing the tower to be horizontally lowered to the ground. The MARB rotor bases allow rotator mounting at the bottom of the tower, so that the entire top tube section rotates.

MA-40 .....$1289
The MA-40 extends to a maximum height of 40 feet, and retracts to a minimum height of 21'6". It will handle up to 16.5 square feet of antenna load at 50 MPH; 6.8 square feet at 70 MPH. Supplied with a house bracket, top-mounted rotor mounting flange, load-actuated hand winch, flat base plate and two anchor bolts.

MA-550 .....$1999
The MA-550 extends to maximum height of 55 feet, and retracts to a minimum height of 22'1". It will handle up to 22 square feet of antenna load at 50 MPH; 9 square feet at 70 MPH. Supplied with a house bracket, top-mounted rotor mounting flange, load-actuated hand winch, flat base plate and two anchor bolts.

MA-550MDP $3799
The MA-550MDP is identical to the MA-550, except that instead of the hand winch, it is supplied with a heavy duty motor drive with positive pull down, which provides motorized raising and lowering of the tower, even in high wind situations.

MA-770 .....$3279
The MA-770 extends to a maximum height of 71 feet, and retracts to a minimum height of 22'10". It will handle up to 15.5 square feet of antenna load at 50 MPH; 5.5 square feet at 70 MPH. Supplied with a house bracket, top-mounted rotor mounting flange, load-actuated hand winch, flat base plate and two anchor bolts.

MA-770MDP $5149
The MA-770MDP is identical to the MA-770, except that instead of the hand winch, it is supplied with a heavy duty motor drive with positive pull down, which provides motorized raising and lowering of the tower, even in high wind situations.

MA-850 .....$5049
The MA-850 extends to a maximum height of 71 feet, and retracts to a minimum height of 23'6". It will handle up to 15.3 square feet of antenna load at 50 MPH; 6.3 square feet at 70 MPH. Supplied with a house bracket, top-mounted rotor mounting flange, load-actuated hand winch, flat base plate and two anchor bolts.

MA-850MDP $5949
The MA-850MDP is identical to the MA-850, except that instead of the hand winch, it is supplied with a heavy duty motor drive with positive pull down, which provides motorized raising and lowering of the tower, even in high wind situations.

All US Tower products are drop shipped directly from the manufacturing plant, to save you money. US Towers operates two separate plants to help reduce freight costs. Please call us for an accurate freight quote. CA residents must add 6.5% sales tax.

US TOWER MA SERIES CRANK UP MAST SPECIFICATIONS

TOWER MODEL	MAX. HEIGHT	MIN. HEIGHT	SECTIONS	DIAM. TOP	DIAM. BOTTOM	WEIGHT	WINDLOAD RATING		BASE FOOTING SIZE		DISCOUNT PRICE
							50 MPH	70 MPH	BRACKETED	SELF SUPPORT	
MA-40	40'	21'6"	2	3" sq.	4.5"	242 lbs.	16.5 sq. ft.	6.8 sq. ft.	1'x1'x1'	3'x3'x4'6"	$1,289
MA-550	55'	22'1"	3	3" sq.	6"	435 lbs.	22 sq. ft.	9 sq. ft.	1'6"x1'6"x1'6"	3'6"x3'6"x5'	$1,999
MA-550MDP	55'	22'1"	3	3" sq.	6"	620 lbs.	22 sq. ft.	9 sq. ft.	1'6"x1'6"x1'6"	3'6"x3'6"x5'	$3,799
MA-770	71'	22'10"	4	3" sq.	8"	645 lbs.	15.5 sq. ft.	5.5 sq. ft.	3'x3'x4'6"	5'x5'x5'6"	$3,279
MA-770MDP	71'	22'10"	4	3" sq.	8"	830 lbs.	15.5 sq. ft.	5.5 sq. ft.	3'x3'x4'6"	5'x5'x5'6"	$5,149
MA-850	85'	23'6"	5	3" sq.	10"	943 lbs.	15.3 sq. ft.	6.3 sq. ft.	4'x4'x6'	5'x5'x6'	$5,049
MA-850MDP	85'	23'6"	5	3" sq.	10"	1128 lbs.	15.3 sq. ft.	6.3 sq. ft.	4'x4'x6'	5'x5'x6'	$5,949

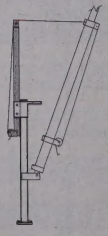
MAB-40 .....$469
MAB-550 .....$579
MAB-770 .....$729
MAB-850 .....$879

The MAB free standing hinged bases allow the MA series towers to be installed totally self supporting and allows them to be lowered horizontally to the ground for antenna servicing using the optional MAF raising fixture. A larger concrete footing is required, but the tower no longer requires bracketing.

MARB-40 .....$749
MARB-550 .....$869
MARB-770 .....$999
MARB-850 .....$1229

The MARB free standing hinged rotor bases offer all the benefits of the MAB bases, plus they allow the rotator to be mounted near ground level. Being properly supported, the rotor can handle its full rated load. An additional benefit is that no top mast is needed. A larger concrete footing is required (see chart shown above).

MAF-40 .....$309
MAF-550 .....$419
MAF-770 .....$519
MAF-850 .....$649

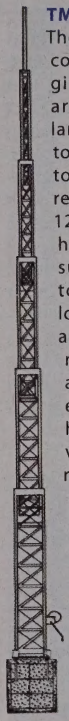


The MAF raising fixtures (when used with an MAB or MARB hinged base) allow the MA series towers to be lowered horizontally to the ground. This greatly simplifies the installation and servicing of antennas. Supplied with hand winch.

CX-2M (MA-40).....$79
CX-3M (MA-550).....$119
CX-4M (MA-770).....$199
CX-5M (MA-850).....$229

The CX coax ring sets are designed to help keep coax runs out of harm's way while the tower is being lowered. The rings are staggered radially, which allows coax runs to droop neatly between the arms as the tower is retracted, keeping them from becoming tangled between sections and being damaged.

US TOWER



TMM Series

The US Tower TMM series compact crank up towers give hams in restricted areas an alternative to large crank up or guyed towers. These lightweight towers have a minimum retracted height of about 12 feet. At the retracted height, the tower's visual impact is reduced to a minimum, usually lowering both the tower and antennas below your roof line. This also makes antenna servicing much easier. All US Towers have a hot dipped galvanized finish to resist rust and corrosion, so they will provide years of trouble free service. Most small to medium sized rotators fit inside the top section. Larger rotators may prevent full retraction of the tower, but may be used without difficulty, if full retraction is not needed. All TMM models are all supplied with anchor bolts, hinged T-base, base bolts, installation template, load actuated hand winch, rotor and top plates (factory welded into position), and an eight foot galvanized steel mast (2 inch outside diameter, .120 inch wall). All US Towers are drop shipped directly from the factory to save you money. Please call for current delivery schedule and freight charges.

TMM-433SS.....$1719
The TMM-433SS extends to a maximum height of 33 feet, and retracts to a minimum height of 11'4". It will handle up to 20 square feet of antenna load at 50 MPH; 8 square feet at 70 MPH. Supplied with top and rotator plate (factory welded into place), load-actuated hand winch with cable, hinged flat base and anchor bolts. Please call us for current delivery schedule and freight charges.

TM-433HD.....$2089
The TMM-433HD extends to maximum height of 33' feet, and retracts to a minimum height of 11'4". It will handle up to 51 square feet of antenna load at 50 MPH; 21 square feet at 70 MPH. The tower is supplied with top and rotator plates (both are factory welded into position), load-actuated hand winch with cable, hinged flat base and anchor bolts. Please call us for current delivery schedule and freight charges.

TMM-541SS.....$2259
The TMM-541SS extends to a maximum height of 41 feet, and retracts to a minimum height of 12'. It will handle up to 35 square feet of antenna load at 50 MPH; 12 square feet at 70 MPH. The tower is supplied with top and rotator plates (both are factory welded into position), load-actuated hand winch with cable, hinged flat base and anchor bolts. Please call us for current delivery schedule and freight charges.

Why US Tower?

Over the years, there have been several crank up tower manufacturers in the USA. Even when we carried a couple of other lines, the US Tower models have consistently been the overwhelming choice of our customers. Others have come and gone (and some have even re-entered the market), but US Tower has been the constant, all the while offering an excellent product as well as an excellent value.

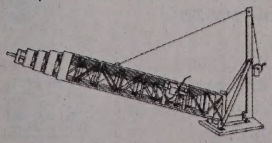
US Tower now operates two US manufacturing plants to serve you better. One is in Visalia, CA, the other is in Lincoln, KS. This reduces both delivery times and freight charges. The result is the best service and value in the crank up tower industry!

US TOWER TMM SERIES CRANK UP TOWER SPECIFICATIONS

TOWER MODEL	MAX. HEIGHT	MIN. HEIGHT	SEC-TIONS	DIAM. TOP	DIAM. BOTTOM	WEIGHT	WINDLOAD RATING		BASE FOOTING		DISCOUNT PRICE
							50 MPH	70 MPH	SIZE	AREA	
TMM-433SS	33'	11'4"	4	10"	18"	315 lbs.	20 sq. ft.	8 sq. ft.	4'x4'x4'6"	2.7 cu. yds.	$1,719
TMM-433HD	33'	11'4"	4	12.5"	20.8"	400 lbs.	51 sq. ft.	21 sq. ft.	4'x4'x5'	3 cu. yds.	$2,089
TMM-541SS	41'	12'	5	10"	20.8"	430 lbs.	35 sq. ft.	12 sq. ft.	4'x4'x5'	3 cu. yds.	$2,259

RAISING FIXTURE

TRX-80 .....$569
The US Tower TRX-80 raising fixture allows any of the TMM series crank up towers to be horizontally lowered to the ground, allowing safe and easy one-man installation and antenna service. Designed to be easily bolted to existing T-Base bolts. Supplied with winch and winch cable. Weighs 120 pounds.



MASTS AND ACCESSORIES

M5, 5' x .12" $59
M10, 10' x .12" $99
M15, 15' x .12" $149
M15R, 15' x .25" $229
M20, 20' x .12" $199
M20R, 20' x .25" $299

MRF.....$379
Mast raising fixture. Attaches to top of tower, allows raising and lowering of mast. The only compatible TMM series tower is the TMM-433HD.

TB-2US.....$135
Heavy duty thrust bearing for 2" masts.

COAX ARMS

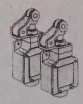
CX-4 (TMM-433).....$169
CX-5 (TMM-541).....$219
The CX coax ring sets are designed to help keep coax runs out of harm's way while the tower is being lowered. The rings are staggered radially, which allows coax runs to droop neatly between the arms as the tower is retracted, keeping them from becoming tangled between sections and being damaged.

IV-16 .....$49
Inverted-V arm holder. Works great for all wire antennas.

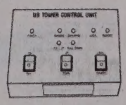
MOTOR DRIVES

MD-75 .....$1299
MDP-750 .....$1999
Call for selection help. All require the MCL-100 or RMC-1000.

MCL-100.....$629
Limit switch package turns off power when tower is fully extended or retracted.



RMC-1000 .....$1299
Remote motor drive control. Supplied with limit switches. Raise or lower your tower from the comfort of your shack.



TX SERIES

The US Tower TX series crank ups are self supporting steel towers, large enough to accommodate most amateur antenna rotators. The tower is constructed using 21 foot sections, with a four foot overlap designed to improve strength and prevent section binding while raising and lowering the tower. Cross bracing is used at high stress areas to further increase strength. All models are hot dipped galvanized after construction to resist rust and corrosion for long service life. All models are supplied with a hinged T-base (which allows fine levelling adjustments), base bolts, installation template, and rotor and top plates (factory welded into position). All non-motorized models are supplied with a heavy duty, load actuated hand winch. All US Towers models are drop shipped directly from the factory to save you money. Please call for current delivery schedule and freight charges.

TX-438 ..... $1619
The US Tower TX-438 is a 38' crank up tower which supports up to 35 square feet of antenna load at 50 MPH (14.7 square feet at 70 MPH). Supplied with hinged T-base, base bolts, rotor plate, top plate, and hand winch. Please call for current delivery schedule and freight charges.

TX-455 ..... $2229
The US Tower TX-455 is a 55' crank up tower which supports up to 37 square feet of antenna load at 50 MPH (12.3 square feet at 70 MPH). Supplied with hinged T-base, base bolts, rotor plate, top plate, and hand winch. Please call for current delivery schedule and freight charges.

TX-472 ..... $3689
The US Tower TX-472 is a 72' crank up tower which supports up to 35 square feet of antenna load at 50 MPH (10.3 square feet at 70 MPH). Supplied with hinged T-base, base bolts, rotor plate, top plate, and hand winch. Please call us for current delivery schedule and freight charges.

TX-472MDP $5929
The US Tower TX-472MDP is identical to the TX-472, except it is supplied with a motor drive instead of the hand winch. Equipped with both raising and lowering cables to insure full tower retraction even under high wind conditions. The tower requires the MCL-100 limit switch package or the RMC-1000 remote control (which is supplied with limit switches), both sold separately. Please call for current delivery schedule and freight charges.

TX-489MDPL $9599
The US Tower TX-489MDPL is an 89' crank up tower which supports up to 32 square feet of antenna load at 50 MPH (7.2 square feet at 70 MPH). It is supplied with T-base, base bolts, rotor plate, top plate and motor drive. Equipped with both raising and lowering cables to insure full tower retraction even under high wind conditions. Requires the MCL-100 limit switch package or the RMC-1000 remote control (which is supplied with limit switches), both sold separately. Please call for current delivery time and freight charges.

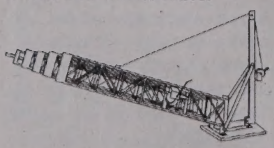
All US Tower products are drop shipped directly from the manufacturing plant, to save you money. US Towers operates two separate plants to help reduce freight costs. Please call us for an accurate freight quote. CA residents must add 6.5% sales tax.

US TOWER TX SERIES CRANK UP TOWER SPECIFICATIONS

TOWER MODEL	MAX. HEIGHT	MIN. HEIGHT	SECTIONS	DIAM. TOP	DIAM. BOTTOM	TOTAL WEIGHT	WINDLOAD RATING		BASE FOOTING		DISCOUNT PRICE
							50 MPH	70 MPH	SIZE	AREA	
TX-438	38'	21'6"	2	12.5"	15"	355 lbs.	35 sq. ft.	14.7 sq. ft.	4'x4'x5'	3 cu. yds.	$1,619
TX-455	55'	23'	3	12.5"	18"	670 lbs.	37 sq. ft.	12.3 sq. ft.	5'x5'x6'	5.5 cu. yds.	$2,229
TX-472	72'	22'8"	4	12.5"	21.6"	1,040 lbs.	35 sq. ft.	10.3 sq. ft.	5'x5'x6'6"	6 cu. yds.	$3,689
TX-472MDP	72'	23'8"	5	12.5"	21.6"	1,210 lbs.	35 sq. ft.	10.3 sq. ft.	5'x5'x6'6"	6 cu. yds.	$5,929
TX-489MDPL	89'	23'10"	6	12.5"	25.6"	1,800 lbs.	32 sq. ft.	7.2 sq. ft.	5'x5'x8'	7.4 cu. yds.	$9,599

RAISING FIXTURE

TRX-80 ..... $569
TRX-80HD $799
These US Tower raising fixtures allow any of the TX series crank up towers to be horizontally lowered to the ground, allowing easier antenna installation and service. Bolts to existing T-base bolts. Supplied with winch and winch cable.



MASTS AND ACCESSORIES

M5, 5' x .12" $59
M10, 10' x .12" $99
M15, 15' x .12" $149
M15R, 15' x .25" $229
M20, 20' x .12" $199
M20R, 20' x .25" $299

MRF $379
Mast raising fixture. Attaches to top of tower, allows raising and lowering of mast.

TB-2US $135

Heavy duty thrust bearing for 2" masts.

COAX ARMS

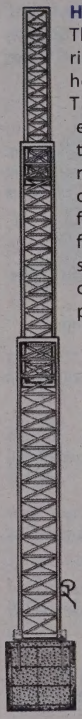
CX-2 (TX-438) $75
CX-3 (TX-455) $99
CX-4 (TX-472) $169
CX-5 (TX-489) $219
The CX coax ring sets are designed to help keep coax runs out of harm's way while the tower is being lowered. The rings are staggered radially, which allows coax runs to droop neatly between the arms as the tower is retracted, keeping them from becoming tangled between sections and being damaged.

MOTOR DRIVES

MD-75 ..... $1299
MDP-750 ..... $1999
MDPL-1000 ..... $2729
Call for selection help. All require the MCL-100 or RMC-1000.

MCL-100 ..... $629
Limit switch package turns off power when tower is fully extended or retracted.

RMC-1000 ..... $1299
Remote motor drive control, with limit switches.



HDX Series

The US Tower HDX series crank-ups are extra heavy duty steel towers. They are suitable for even very large amateur antennas and arrays. These towers are constructed using 21 foot sections with a four foot overlap where sections meet to increase strength and prevent binding. They accommodate most large rotators, and still allow full retraction. All US Towers are hot dip galvanized to resist rust and corrosion, providing years of trouble free service. All models are supplied with a T-base, base bolts, installation template, rotor and top plate (factory welded into place). All non-motorized models also include a load actuated hand winch. All US Towers are drop shipped directly from the factory to save you money. Please call for freight charges.

HDX-538.....$1919

The US Tower HDX-538 is a 38' crank up tower which supports up to 45 square feet of antenna load at 50 MPH (33.7 square feet at 70 MPH). Supplied with hinged T-base, base bolts, rotor plate, top plate, and hand winch. Please call for current delivery schedule and freight charges.

HDX-555.....$3379

The US Tower HDX-555 is a 55' crank up tower which supports up to 70 square feet of antenna load at 50 MPH (29.5 square feet at 70 MPH). Supplied with hinged T-base, base bolts, rotor plate, top plate, and hand winch. Please call for current delivery schedule and freight charges.

HDX-572MPDL.....$8769

The US Tower HDX-572MDPL is a 72' crank up tower which supports up to 55 square feet of antenna load at 50 MPH (18 square feet at 70 MPH). Supplied with hinged T-base, base bolts, rotor plate, top plate, and motor drive. Equipped with both raising and lowering cables to insure full tower retraction even under high wind conditions. The tower requires the MCL-100 limit switch package or the RMC-1000 remote control (supplied with limit switches), sold separately. Please call for freight charges.

HDX-589MDPL.....$11499

The US Tower HDX-589MDPL is a 89' crank up tower which supports up to 60 square feet of antenna load at 50 MPH (16 square feet at 70 MPH). Supplied with hinged T-base, base bolts, rotor plate, top plate, and motor drive. Equipped with both raising and lowering cables to insure full tower retraction even under high wind conditions. The tower requires the MCL-100 limit switch package or the RMC-1000 remote control (supplied with limit switches), sold separately. Please call for freight charges.

HDX-5106MDPL.....$23799

The US Tower HDX-5106MDPL is a 106' crank up tower which supports up to 50 square feet of antenna load at 50 MPH (13 sq. ft. at 70 MPH). It is supplied with T-base, base bolts, rotor plate, top plate and motor drive. Equipped with both raising and lowering cables to insure full retraction even in high wind conditions. Requires the MCL-100 limit switch package or RMC-1000 remote control (supplied with limit switches), sold separately. Call for freight charges.

All US Tower products are drop shipped directly from the manufacturing plant, to save you money. US Towers operates two separate plants to help reduce freight costs. Please call us for an accurate freight quote. CA residents must add 6.5% sales tax.

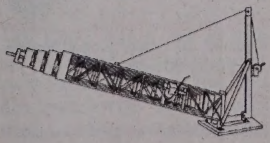
US TOWER HDX SERIES CRANK UP TOWER SPECIFICATIONS

TOWER MODEL	MAX. HEIGHT	MIN. HEIGHT	SECTIONS	DIAM. TOP	DIAM. BOTTOM	WEIGHT	WINDLOAD RATING		BASE FOOTING		DISCOUNT PRICE
							50 MPH	70 MPH	SIZE	AREA	
HDX-538	38'	21'6"	2	15"	18"	600 lbs.	45 sq. ft.	33.7 sq. ft.	5'x5'x6'	5.6 cu. yds.	$1,919
HDX-555	55'	22'	3	15"	21.6"	870 lbs.	70 sq. ft.	29.5 sq. ft.	5'x5'x6'6"	6 cu. yds.	$3,379
HDX-572MDPL	72'	22'8"	4	15"	25.6"	1,600 lbs.	55 sq. ft.	18 sq. ft.	5'x5'x8'	7.4 cu. yds.	$8,769
HDX-589MDPL	89'	23'8"	5	15"	30.6"	2,440 lbs.	60 sq. ft.	16 sq. ft.	5'x5'x8'	7.4 cu. yds.	$11,499
HDX-5106MDPL	106'	23'10"	6	15"	37.1"	3,805 lbs.	50 sq. ft.	13 sq. ft.	5'x5'x9'	8.3 cu. yds.	$23,799

RAISING FIXTURE

TRX-80.....$569
TRX-80HD.....$799

These US Tower raising fixtures allow any of the HDX series crank up towers to be horizontally lowered to the ground, allowing easier antenna installation and service. Bolts to existing T-Base bolts. Supplied with winch and winch cable.



MASTS AND ACCESSORIES

M5, 5' x .12".....$59
M10, 10' x .12".....$99
M15, 15' x .12".....$149
M15R, 15' x .25".....$229
M20, 20' x .12".....$199
M20R, 20' x .25".....$299

MRF.....$379

Mast raising fixture. Attaches to top of tower, allows raising and lowering of mast.

TB-2US.....$135

Heavy duty thrust bearing for 2" masts.

COAX ARMS

CX-2 (HDX-538).....$75
CX-3 (HDX-555).....$99
CX-4 (HDX-572).....$169
CX-5 (HDX-589).....$219

The CX coax ring sets are designed to help keep coax runs out of harm's way while the tower is being lowered. The rings are staggered radially, which allows coax runs to droop neatly between the arms as the tower is retracted, keeping them from becoming tangled between sections and being damaged.

MOTOR DRIVES

MD-75.....$1299
MDP-750.....$1999
MDPL-1000.....$2729

Call for selection help. All require the MCL-100 or RMC-1000.

MCL-100.....$629

Limit switch package turns off power when tower is fully extended or retracted.

RMC-1000.....$1299

Remote motor drive control, with limit switches.

YAESU

PRICE INCLUDES ALL COUPONS & REBATES

FT-2000 ..... $2,449
FT-2000D $3,099

FREE UPS

The Yaesu FT-2000 is a competition class HF transceiver covering 160–6m. It has a blue fluorescent display and features a high performance digital signal processing unit (offering a multitude of bandpass filters, variable IF bandwidth, IF shift, automatic and manual notch filters, digital noise reduction, and a continuously variable passband contour control, and a three band parametric mic equalizer. Other features include an automatic antenna tuner, CTCSS tone encode/decode, CW memory keyer, four channel digital voice recorder, dual receive, 99 memory channels, multiple scanning modes, high resolution analog multimeter, VOX, and much more. Flexible connection jacks are provided for RTTY, SSTV, PSK31, JT65 and other digital modes. Front and rear panel key jacks are provided, as are rear panel transverter and RS-232C CAT jacks. Supplied with an up/down hand microphone and AC power cord.

In addition to all the features of the FT-2000, the FT-2000D offers a whopping 200 Watts of RF output. It is supplied with an external DC power supply.

RX coverage	30 kHz–60 MHz
IF stages	3
sensitivity	< .2 µV, typical
selectivity	15, 6, 2.4, .500 kHz
frequency stability	±1 PPM
RF output	100 W
input voltage	90–132, 180–264 vAC
dimensions	5.3" H x 16.1" W x 13.8" D
weight	32 pounds

FT-2000 ACCESSORIES

DMU-2000 ..... $949
The Yaesu DMU-2000 Digital Management Unit adds a wide array of informative and useful displays, when used with an aftermarket computer display. It provides an audio scope, oscilloscope, logging page, band scope, world clock with sunrise and sunset terminator display, swept frequency SWR display, memory channel listing, rotator control display with Great Circle Map, and a comprehensive menu listing, as well. With the DMU-2000, you can connect an aftermarket computer keyboard, and add memory labels, edit data, and perform backup and other functions, as well.

FH-2 ..... $89
The FH-2 keypad provides ease of control for CW or voice messages and receiver loop recording. Also adds an additional digital voice recorder channel.

MD-100A8X $139
Deluxe desktop microphone.

MD-200A8X $349
Pro quality desktop microphone.

SP-2000 ..... $179
Matching external speaker/audio filter.

Quadra System $3699
Matching 1 kW solid state linear amplifier with auto tuner.

YF-122C $169
Collins mechanical 500 Hz wide CW subreceiver filter.

YF-122CN $169
Collins mechanical 300 Hz narrow CW subreceiver filter.

YAESU

PRICE INCLUDES ALL COUPONS & REBATES

FT-450 ..... $799
FT-450AT $869

FREE UPS

The Yaesu FT-450 is a compact all mode HF/6m transceiver with IF-level Digital Signal Processing. The radio has a large multi-color LCD display, and features contour filtering, manual notch filter, digital noise reduction, digital microphone equalizer, IF shift, 10 kHz roofing filter, built-in TCXO, large easy-to-read digital S-meter with peak and hold, built-in electronic CW keyer, CW beacon mode, CW training mode, two voice keyer memories (each hold 10 seconds), digital voice recorder (holds up to 20 seconds), built-in digital voice synthesizer, 500 memory channels, multiple scanning modes, and more. The radio is built in a rugged, die-cast aluminum chassis, with a large thermostatically controlled external cooling fan, has a built-in computer control interface for programming and cloning (DB-9 connector) and has a dedicated data jack for FSK-RTTY operation. An optional internally mounted antenna tuner (already installed in FT-450AT) is available for tuning resonant antennas as well as an optional external antenna tuner for tuning a non-resonant end-fed 65' wire. Compatible with the popular Yaesu ATAS-120A mobile tuning antenna can also be used for convenient mobile operation. The radio is supplied with an up/down hand mic and a fused DC power cord.

RX coverage	30 kHz–56 MHz
sensitivity	< .2 µV, typical
selectivity	3, 2.4,1.8 kHz, 500 Hz
frequency stability	±1 PPM
RF output	100 W
input voltage	13.8 vDC, 22 A
dimensions	3.3" H x 9" W x 8.5" D
weight	7.9 pounds

FT-450 ACCESSORIES

ATU-450 ..... $99
Internally mounted automatic antenna tuner unit. Designed for resonant antennas—handles antenna mismatch of up to 3:1 SWR.

ATAS-120A, Antenna $329
Automatic tuning screwdriver type antenna. Covers 40-10m, plus 6m, 2m, and 70cm. Requires an adequate SO-239 type base.

ATBK-100 ..... $89
Radial kit for using the ATAS-120A as a base antenna. Provides a dedicated ground system to allow the 2m and 70cm bands to load properly, without the ground plane provided by an automobile.

FC-40, Mobile Tuner $279
External antenna tuner designed to quickly match a 65' end-fed wire.

FP-1030A, Power Supply $219
Matching DC power supply. Provides 13.8 VDC at 30 amps.

MHG1, Carry Handle $15

MMB-90, Mobile Bracket $39

PRICE INCLUDES ALL COUPONS & REBATES

FT-897D.....$829

FREE ups

The Yaesu FT-897D is a self-contained, all mode HF/6m/2m/70cm transceiver offering 100 Watts of power. The radio has a color switchable (32 color choices) LCD display and features 60m (5 MHz) coverage, automatic power off, automatic repeater shift, automatic time out timer, wide band receive, band scope display mode, battery voltage meter, built-in digital signal processing module, CTCSS tone encode/decode, built-in CW keyer, dedicated 1200/9600 bps data jack (6-pin mini DIN) IF noise blanker, IF shift, 200 alphanumeric memory channels, multiple scanning modes, transverter mode, SmartSearch mode, built-in .5 PPM high stability TCXO, versatile TX meter (indicates modulation level, ALC, power output or SWR), VOX, and more. The built-in digital signal processing module provides general noise reduction, 512 SSB bandpass filter combinations, 3 CW bandpass filters, automatic notch filtering and microphone equalization. One or two optional FNB-78 internal Ni-MH batteries can be installed (power output drops to 20 Watts when battery powered), or the optional FP-30 power supply can be internally installed instead. The optional CD-24 charge adapter is required to charge the internal batteries, as well as the optional PA-26B charger or other adequate 13.8 vDC source. The radio is supplied with a hand microphone with up and down frequency controls, and a fused DC power cord.

RX coverage	.1–56, 76–108, 118–164, 420–470 MHz
sensitivity	< .2 µV, typical
selectivity	15, 9, 6, 2.2 kHz
frequency stability	±.5 PPM
RF output	100 W, 2m: 50 W, 70cm: 20 W
input voltage	13.8 vDC, 22 A
dimensions	3.2" H x 7.9" W x 10.3" D
weight	8.6 pounds

FT-897D ACCESSORIES

ADMS-4B, Programming Kit.....$59
Windows™ programming software and interface cable.

ATAS-120A, Antenna $329
Automatic screwdriver type antenna.

CD-24, Charge Adapter $119

FC-30, Auto Tuner.....$169

FC-40, Mobile Tuner.....$279

FP-30, Power Supply.....$199
Internal switching power supply, 100–120/220–240 vAC. Cannot be installed with FNB-78.

FNB-78, Ni-MH Battery.....$119
Internal 4.5 Ah Ni-MH battery. Two may be installed. Cannot be installed with FP-30 power supply.

PA-26B, Charger $79

MH-59A8J, DTMF Mic $65

MMB-80, Mobile Bracket.....$39

YF-122C, 500 Hz CW Filter $169

YF-122CN, 300 Hz CW Filter $169

YF-122S, 2.3 kHz SSB Filter.....$169

YAESU

Plus, Free YSK-857 Separation Kit!

PRICE INCLUDES ALL COUPONS & REBATES

FT-857D $709

FREE ups

The FT-857D is an ultra compact all mode transceiver covering HF, 6m, 2m, and 70cm. The radio has a removable control panel with a large color switchable (32 color choices) dot matrix LCD display, and features 60m (5 MHz) coverage, automatic power off, automatic repeater shift, automatic time out timer, adjustable AGC, band scope display function, battery voltage meter, wide band receive, CTCSS tone encode/decode, DCS encode/decode, built-in CW memory keyer with beacon mode, CW training mode, built-in DSP module, optional Collins mechanical CW and SSB filters, IF shift, IF noise blanker, intercept point optimization (improves HF receiver performance), 200 alphanumeric memory channels, RIT clarifier, RS-232C computer programming capability, dedicated 1200/9600 bps data jack (6-pin Mini DIN, uses optional Yaesu CT-39A), multiple scanning modes, SmartSearch mode, versatile TX meter (indicated modulation level, ALC level, power output, or SWR), and more. The built-in digital signal processing module provides 512 SSB bandpass filter combinations, 3 CW bandpass filters, automatic notch filter, digital noise reduction and microphone equalizer processor. The radio is supplied with a hand microphone with up and down frequency controls, a mobile mounting bracket with hardware, and a fused DC power cord.

RX coverage	.1–56, 76–108, 118–164, 420–470 MHz
sensitivity	< .2 µV
selectivity	15, 9, 6, 2.2 kHz
frequency stability	±4 PPM
RF output	100 W, 2m: 50 W, 70cm: 20 W
input voltage	13.8 vDC, 22 A
dimensions	2" H x 6.1" W x 9.2" D
weight	4.6 pounds

FT-857D ACCESSORIES

ADMS-4B, Programming Kit.....$59
Windows™ programming software and interface cable.

ATAS-120A, Antenna $329
Automatic mobile antenna, covers 40m/20m/15m/10m/6m/2m/70cm.

CT-39A, Data Cable $9

CT-62, CAT Cable.....$29

FC-30, Auto Tuner.....$169

FC-40, Mobile Auto Tuner $279

MH-59A8J, DTMF Mic $65

TCXO-9, TCXO.....$95
High stability TCXO increases frequency stability to .5 PPM.

YF-122C, 500 Hz CW Filter $169

YF-122CN, 300 Hz CW Filter $169

YF-122S, 2.3 kHz SSB Filter.....$169

YSK-857, Separation Kit $55
Kit includes front panel mounting tray, 6m separation cable, 5m microphone extension cable, 6m speaker extension cable, and hardware.

cated 1200/9600 bps data jack, wide and narrow FM modes, IF shift, IF noise blanker, intercept point optimization, 200 memory channels, dedicated digital mode for PSK31/RTTY/SSTV etc., RIT, versatile RS-232C CAT system (control via personal computer—requires 3rd party software), multiple scanning modes, VOX, and more. The radio is supplied with a hand microphone with up and down frequency controls, a rechargeable Ni-MH battery pack and a wall charger.

FT-817ND $559

FREE ups

The Yaesu FT-817ND is a self contained all mode HF/6m/2m/70cm "backpack" QRP transceiver. The radio has a blue alphanumeric LCD dot matrix display with bar-graph power/ALC/SWR metering and spectrum scope display. The radio features AM receive, built-in attenuator, automatic repeater shift, automatic time out timer, CW keyer, ARTS™ (which tracks the range of similarly equipped transceivers), CTCSS tone encode/decode/scan, DCS tone encode/decode/scan, a dedi-

RX coverage	.1–56, 76–154, 420–470 MHz
sensitivity	< .25 µV
selectivity	15, 9, 6, 2.2 kHz
frequency stability	±4 PPM
RF output	5 W
input voltage	13.8 vDC, 2 A
dimensions	1.5" H x 5.1" W x 6.5" D
weight	2.6 pounds

FT-817ND ACCESSORIES

ADMS-4A, Programming Kit $59
Windows™ programming software and interface cable.

ATAS-25, Antenna $209
Manually tuned portable antenna.

CSC-83, Vinyl Case $25

CT-39A, Data Cable $9

CT-62A, CAT Cable $29
RS-232C computer interface cable allows control via personal computer. Requires third party software.

FNB-85, Ni-MH Battery $59
Rechargeable battery pack, rated 9.6 v, 1400 mAh.

MH-36E8J, DTMF Mic $59

TCXO-9, TCXO $95
High stability crystal oscillator, increases stability to ±.5 PPM.

YF-122C, 500 Hz CW Filter $169

YF-122CN, 300 Hz CW Filter $169

YF-122S, 2.3 kHz SSB Filter $169

ATAS-120A $329
The Yaesu ATAS-120A is a unique mobile antenna designed for use with the FT-857(D), and FT-897(D) and FT-450(AT)transceivers. It utilizes a motor tuning system which tunes the radiating element for lowest SWR. No tuner or separate whips are required. Mounts on any suitable SO-239 type mobile base, like the Diamond K-400C. It can also be used as a base station antenna (optional ATBK-100 antenna base kit may be required for base installations without a good ground system).

ATAS-25 ..... $209
The Yaesu ATAS-25 is a potable, manually tuned antenna system designed specifically for the popular FT-817ND.

YAESU

Supplied with YSK-8900 separation kit—a $69 value!

FT-8900R $429

FREE ups

The Yaesu FT-8900R is a 10m/6m/2m/70cm quad band mobile XCVR, with a large, amber alphanumeric LCD display. It features a detachable remote head, AM RX, cross band repeat mode, CTCSS tone encode/decode/scan, DCS encode/decode/scan,1200/9600 bps data jack, 16 DTMF autodial memories, dual volume and squelch controls, extended RX, over 800 memory channels, RF squelch, multiple scan modes, and more. Supplied with an illuminated up/down DTMF hand mic with four user-programmable buttons, mobile bracket with hardware, and a fused DC power cord.

RX range	28–29.7, 50–54, 108–180, 320–480, 700–985 MHz
sensitivity	< .2 µV
RF output (2m/70cm)	50 / 35 W
input voltage	13.8 vDC, 8.5 A
size	1.6" H x 5.5" W x 6.6" D
weight	2.2 pounds

FT-8900R ACCESSORIES

ADMS-2H $39
Windows™ programming software and interface cable kit.

CT-39A, Data Cable $9

MLS-100, Mobile Speaker $45

MMB-62 ..... $36
Articulated front panel bracket.

T9021715, Fused DC Cord $19

YSK-8900 ..... $69
Separation kit for remote mounting. Includes a 20 ft. (6m) remote cable, speaker extension cable, and front panel bracket, with hardware. The microphone jack is located on the side of the front panel, so no microphone extension cord is needed.

Supplied with YSK-8900 separation kit—a $69 value!

FT-8800R $389

FREE ups

The Yaesu FT-8800R is a 2m/70cm dual band mobile XCVR. The radio has a large, amber alphanumeric LCD display with a detachable control head, and features dual volume and squelch controls, AM RX, automatic repeater shift, cross band repeat, CTCSS tone encode/decode/scan, dedicated 1200/9600 bps data jack, DCS encode/decode/scan, 16 DTMF autodial memories, dual RX, dual in-band RX, extended RX, over 1000 memory channels, multiple scan modes, and more. Supplied with an illuminated up/down DTMF hand mic with four user-programmable buttons, mobile mounting bracket with hardware, and a fused DC power cord.

RX range	108–520 & 700–999 MHz
sensitivity	< .2 µV
RF output (2m/70cm)	50 / 35 W
input voltage	13.8 vDC, 8.5 A
size	1.6" H x 5.5" W x 6.6" D
weight	2.2 pounds

FT-8800R ACCESSORIES

ADMS-2I $39
Windows™ programming software and interface cable kit.

CT-39A, Data Cable $9

MLS-100, Mobile Speaker ... $45

MMB-62 ..... $36
Articulated front panel bracket.

T9021715, Fused DC Cord ... $19

YSK-8900 ..... $69
Separation kit for remote mounting. Includes a 20 ft. (6m) remote cable, speaker extension cable, and front panel bracket, with hardware. The mic jack is located on the side of the front panel, so no mic extension cord is needed.

RX range	500 kHz–1.8 MHz, 76–108 MHz 108–222, 300–999 MHz
sensitivity	< .2 µV
RF output (2m/70cm)	50 / 40 W
input voltage	13.8 vDC @ 8.5 A
size	1.5" H x 4.4" W x 7" D
weight	2.9 pounds

FTM-10R..... $349

FREE UPS

The Yaesu FTM-10R is a compact 2m/70cm dual-band mobile XCVR with weatherproof front control panel designed for outdoor activities (think motorcycle touring). The radio has a speaker and mic built into the front control panel, so it can be operated much like an HT! Other features include AM/FM broadcast RX, external audio input, intercom (for communicating with a fellow passenger), automatic volume control, CTCSS tone encode/decode, VOX, multiple scan modes, and more. Supplied with a 10' separation cable, radio mounting bracket with hardware, speaker cable Y-adapter, and a fused DC power cord.

FTM-10R ACCESSORIES

ADMS-10R ..... TBA
Windows™ programming software and interface cable kit.

BH-1, Bluetooth® Headset..... TBA

BU-1, Bluetooth® Adapter..... TBA

CAB-1, Headset Charger..... TBA

CT-M10, Separation Cable..... $29
Extended separation cable, 20'.

MEK-M10, Mic Jack $14

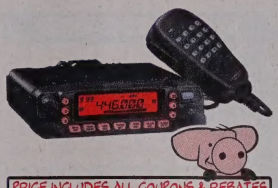
MH-68A6J, DTMF Hand Mic $49

MLS-200-M10, Speaker $35
Waterproof external speaker.

MMB-M10, Stand Bracket $29

MMB-M11, Mounting Bracket .. $29

T9021715, Fused DC Cord..... $19



PRICE INCLUDES ALL COUPONS & REBATES

FT-7800R $254

FREE UPS

The Yaesu FT-7800R is a rugged 2m/70cm dual band mobile XCVR with a large, amber alphanumeric LCD display and detachable remote control head. The radio features automatic repeater shift, automatic power off, automatic time out timer, AM RX, CTCSS tone encode/decode/scan, DCS encode/decode/scan, 1200/9600 bps data jack, extended RX, over 1000 memory channels, ten special NOAA weather memory channels with alert mode, multiple scan modes, and more. Supplied with an illuminated up/down DTMF hand mic with four user-programmable buttons, a mobile mounting bracket with hardware, and a fused DC power cord.

RX range	108–520 & 700–999 MHz
sensitivity	< .2 µV
RF output (2m/70cm)	50 / 40 W
input voltage	13.8 vDC
current consumption	8.5 amps
size	1.6" H x 5.5" W x 6.6" D
weight	2.2 pounds

FT-7800R ACCESSORIES

ADMS-2K $39
Windows™ programming software and interface cable kit.

CT-39A, Data Cable $9

MMB-60, Bracket $35
Quick release mounting bracket.

MMB-62 ..... $36
Articulated front panel mounting bracket (requires YSK-7800).

T9021715, Fused DC Cord..... $19

YSK-7800 ..... $59
Separation kit for remote mounting. Includes a 20 ft. (6m) remote cable, speaker extension cable, and front panel bracket, with hardware.

YAESU

PRICE INCLUDES ALL COUPONS & REBATES

FT-2800M $129

FREE UPS

The Yaesu FT-2800M is a rugged 2m mobile FM transceiver offering a whopping 65 Watts of output power. The radio has a large backlit LCD display, meets MIL-STD 810, and employs Yaesu's Advanced Track Tuning RF input filtering, which greatly improves intermod rejection. Other features include automatic repeater shift, dual watch, extended RX, 10 NOAA memories with alert mode, CTCSS tone encode/decode, DCS encode/decode, 221 memory channels, multiple scan modes, and more. Supplied with an illuminated up/down DTMF hand mic with four user-programmable keys, mounting bracket with hardware, and a fused DC power cord.

RX coverage	137–174 MHz
sensitivity	.2 µV
RF output	65 W
input voltage	13.8 vDC, 10 A
size	2" H x 6.3" W x 7.3" D
weight	4 pounds

FT-2800M ACCESSORIES

ADMS-2J $39
Windows™ programming software and interface cable kit. Provides convenient memory channel programing and cloning.

MLS-100..... $45
Commercial quality, high-power external speaker offers improved audio quality.

T9021715..... $19
Replacement DC power cord, fused. One is provided with radio.

PRICE INCLUDES ALL COUPONS & REBATES

FT-1802M..... $139.95

FREE UPS

The Yaesu FT-1802M is a compact 2m mobile FM XCVR, incorporating Yaesu's Advanced Track Tuning receiver, which greatly improves intermod rejection. The radio has a large backlit LCD display, and features automatic repeater shift, extended RX, dual watch, 10 special NOAA weather memory channels with alert mode, CTCSS tone encode/decode/scan, DCS encode/decode/scan, 16 DTMF autodialer memory channels, 221 memory channels, multiple scanning modes, and more. Supplied with an illuminated DTMF hand microphone with up and down frequency controls and four user-programmable keys, mounting bracket with hardware, and a fused DC power cord.

RX coverage	136–174 MHz
sensitivity	.2 µV
RF output	50 W
input voltage	13.8 vDC, 10 A
size	1.6" H x 5.6" W x 5.8" D
weight	2.6 pounds

FT-1802M ACCESSORIES

ADMS-1802 ..... $39
Windows™ programming software and interface cable kit. Provides convenient memory channel programing and cloning.

MLS-100..... $45
Commercial quality, high-power external speaker offers improved audio quality.

T9021715..... $19
Replacement DC power cord, fused. One is provided with radio.

YAESU

PRICE INCLUDES ALL COUPONS & REBATES

VX-7R (BLACK) $289
VX-7R (SILVER) $299

The Yaesu VX-7R is a compact 50/144/222/430 MHz quad-band FM handheld XCVR. It has a backlit DTMF keypad and amber alphanumeric dot matrix LCD display. Features over 900 memories, CTCSS tone encode/decode, DCS encode/decode, dual RX, extended RX (in AM/FM-N/FM-W), multiple high speed scan modes, and more. Supplied with a Li-Ion battery pack, wall charger, belt clip, and rubber duck antenna.

RX range	504 kHz–999 MHz
sensitivity	< .16–.18 µV
RF output / connector	5 W / SMA-F
supplied Li-Ion	7.4 vDC, 1400 mAh
size	3.5" H x 2.3" W x 1.1" D
weight	10 ounces

VX-6/7R ACCESSORIES

ADMS-1G, Programming Kit $39
Windows™ programming software and interface cable kit for VX-7R.

ADMS-VX6, Programming Kit $39
Windows™ programming software and interface cable kit for VX-6R.

CD-15A, Charge Stand $29

CMP-460A, Speaker Mic $49
Waterproof speaker microphone.

CN-3, SMA/BNC Adapter $10

CSC-88, Vinyl Case (VX-7R) $12

CSC-91, Vinyl Case (VX-6R) $12

EDC-5B, Auto DC Adapter $25

FBA-23, 2-AA Battery Case $29

FNB-80LI, Li-Ion Battery Pack $65
Rated 7.4 vDC @ 1,400 mAh.

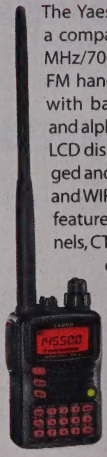
MH-57A4B, Speaker Mic $30

SU-1, Barometric Pressure Unit $39

VC-24, VOX/PTT Headset $69

VC-27, Earpiece Mic $30

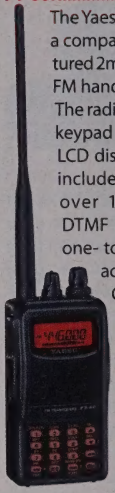
VX-6R $249



The Yaesu VX-6R is a compact 2m/220 MHz/70cm triband FM handheld XCVR with backlit DTMF keypad and alphanumeric dot matrix LCD display. The radio is rugged and submersible, ARTS™ and WIRES™ compatible, and features 900 memory channels, CTCSS tone encode/decode/scan, extended RX with AM/FM/FM-Wide modes, multiple scan modes, and more. The radio is supplied with a Lithium-Ion battery pack, five-hour wall charger, belt clip, and a rubber duck antenna.

RX range	504 kHz–999 MHz
sensitivity	< .16–.18 µV
antenna connector	SMA-F
RF output	5 Watts (220 MHz: 1.5 W)
supplied Li-Ion	7.4 vDC, 1400 mAh
size	3.5" H x 2.3" W x 1.1" D
weight	10 ounces

FT-60R $189



The Yaesu FT-60R is a compact, full featured 2m and 70cm FM handheld XCVR. The radio has a backlit DTMF keypad and a large, backlit LCD display. Other features include ARS, extended RX, over 1000 memories, 9 DTMF autodial memories, one- touch NOAA weather access and alert mode, CTCSS tone encode/decode, DCS tone encode/decode, and more. The radio is supplied with a Ni-MH battery pack, wall charger, belt clip, and rubber duck antenna.

RX range	108–520, 700–999 MHz
sensitivity	< .16 µV
antenna connector	SMA-F
RF output	5 Watts
supplied Li-Ion	7.4 vDC, 1400 mAh
size	4.3" H x 2.3" W x 1.2" D
weight	13 ounces

YAESU

VX-3R $179

The Yaesu VX-3R is an ultra-compact 2m/70cm dual band hand-held transceiver with extended wide-band receive in AM/FM/FM Wide modes. The radio has a backlit LCD display, and features automatic repeater shift, 1000 memory channels, CTCSS tone encode/decode/scan, mechanical dial lock, multiple scanning modes, and more. The radio is supplied with a rechargeable Lithium-Ion battery pack, two-hour wall charger, belt clip, and a rubber duck antenna.

RX range	500 kHz–999 MHz
sensitivity	< .16 µV, typical
antenna connector	SMA female
RF output	1.5 Watts (w/ DC in: 3 W)
supplied Li-Ion	3.7 vDC, 1000 mAh
size	3.2" H x 1.9" W x .9" D
weight	5 ounces

VX-3R ACCESSORIES

ADMS-VX3, Programming Kit ..... TBA
Windows™ programming software and interface cable kit. Allows easy programming of the VX-2R's 1,300 memory channels.

CN-3, SMA/BNC Adapter $10

CT-44, Mic Adapter $12

CSC-92, Vinyl Case $15

EDC-21, Auto DC Adapter $32
Cigarette lighter adapter cable. Allows slow charge when used mobile.

FNB-82, Li-Ion Battery Pack $39
Rated 3.7 vDC @ 1000 mAh.

MH-34B4B, Speaker Mic $35

MH-37A4B, Earpiece Mic $36

VC-25, VOX/PTT Headset $69

PRICE INCLUDES ALL COUPONS & REBATES

VX-170 ..... $129

The Yaesu VX-170 is a rugged 2m FM handheld transceiver. It has backlit DTMF keypad and large, alphanumeric LCD display. The radio is submersible (rated to IPX7), ARTS™ & WIRES™ compatible, and features automatic repeater shift, 200 memory channels, CTCSS tone encode/decode, direct keypad frequency entry, extended receive, multiple scan modes, and more. The radio is supplied with a rechargeable Ni-MH battery pack, wall charger, belt clip, wrist strap, and rubber duck antenna.

RX range	5–16, 48–999 MHz
sensitivity	.16 µV
RF output / connector	5 W / SMA-F
supplied Ni-Cad	7.2 vDC / 1100 mAh
size	4.1" H x 2.4" W x 1.3" D
weight	10 ounces

VX-170 ACCESSORIES

ADMS-VX170 ..... $39
Windows™ programming software and interface cable kit.

CD-26, Charging Cradle $29

CMP-460A, Speaker Mic $49

CN-3, SMA/BNC Adapter $10

EDC-5B, Auto DC Adapter $25

EDC-6, DC Power Cord $7

FBA-25, 6, AA Battery Case $19

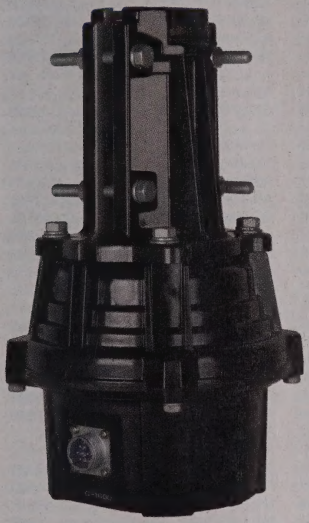
FNB-83, Ni-MH Battery Pack $59
Rated 7.4 vDC @ 1,400 mAh.

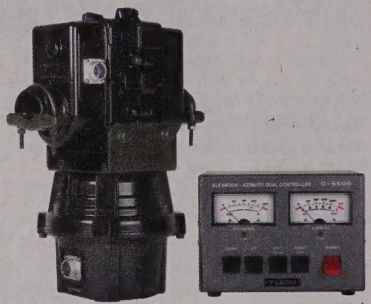
MH-57A4B, Speaker Mic $30

VAC-370, Rapid Charger $69
Charges FNB-83 in 1.5 hours.

VC-24, VOX/PTT Headset $69

VC-27, Earpiece Mic $30





G-2800DXA $1089
The G-2800DXA is an extra heavy duty antenna rotator. It features automatic slow start and slow stop, preset control operation, variable motor speed control, rugged control wire connector, 450 degree rotation (which allows a 90 degree overlap), LED overlap indicator, automatic brake release, optional RS-232 interface for control via personal computer, and more. The illuminated control box has a round analog meter with a movable beam heading template for easy calibration to your location.

G-1000DXA $499
The Yaesu G-1000DXA is a heavy duty antenna rotator, featuring automatic slow start and slow stop, variable speed, preset control, LED overlap indicator, automatic brake release, optional RS-232 interface for control via personal computer, and more. The rotator covers a 450 degree area, allowing 90 degrees of overlap. The backlit analog control box features a round meter showing a full 360 degree display, with a movable beam heading template for easy calibration to your location.

G-800DXA..... $409
The Yaesu G-800DXA is a medium duty antenna rotator. It features automatic brake release, 450 degree rotation (allows 90 degree overlap), overlap indicator LED, preset rotation control, variable motor speed rotation control, optional RS-232 interface for control via personal computer, and more. Supplied with an illuminated analog control box with movable beam heading template for easy calibration for your location.

G-800SA $329
The Yaesu G-800SA is identical to the G-800DXA, except without preset rotation control, variable speed control, and without the RS-232 option.

G-450A $249
The Yaesu G-450A is a light duty antenna rotator, featuring automatic slow start and stop, 450 degree rotation (allows a 90 degree overlap), overlap indication LED, automatic brake release, and more. The backlit analog control box features a 360 degree meter with a movable beam heading template for easy calibration.

G-5500..... $599
The Yaesu G-5500 is a combination azimuth and elevation rotator package. The single control box has dual backlit meters. The optional GS-232B interface offers RS-232 control via personal computer.

G-550..... $299
The Yaesu G-550 is an elevation rotator featuring a compact, illuminated control box with 180 degree readout. Great for satellite or small EME arrays.

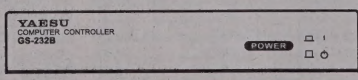
YAESU ROTATOR ACCESSORIES

GC-038, Lower Mast Clamps $30
The Yaesu GC-038 is a lower mast clamp set for the G-800DXA/SA and G-1000DXA rotors. Reduces wind load capability by 50%.

GS-065, Thrust Bearing.....$49
The Yaesu GS-065 is a medium-duty thrust bearing. Accepts mast sizes from 1.5–2.5".

GS-050, Thrust Bearing.....$39
The Yaesu GS-050 is a light-duty thrust bearing. Accepts mast sizes from 1.25–1.75".

GS-232B, Computer Controller.....$559
The Yaesu GS-232B is a computer control interface for Yaesu rotors. Allows full control of all Yaesu DXA rotator models, as well as the G-5500. Requires control software, (not supplied).



YAESU ROTATOR SPECIFICATION

MODEL	CABLE	GAUGE	INPUT	ROT. TIME	VERT. LOAD	MAST SIZE	ROT. TORQUE	BRK. TORQUE	K-FACTOR	WINDLOAD
G-450A	6 wire	#20	117 vAC	51 sec.	242 lbs	1.25–2"	39.8 ft.-lbs.	217 ft.-lbs.	722 ft-lbs	10 sq. ft.
G-550	6 wire	#20	117 vAC	67 sec. (180°)	440 lbs	1.25–1.63"	101 ft.-lbs.	289 ft-lbs	578 ft-lbs	11 sq. ft.
G-800SA/DXA	6 wire	#20	117 vAC	55/43–93 sec.	440 lbs	1.5–2.5"	43–79 ft.-lbs.	288 ft-lbs	1,299 ft-lbs	17 sq. ft.
G-1000DXA	6 wire	#20	117 vAC	43–93 sec.	440 lbs	1.5–2.5"	43–79 ft.-lbs.	433 ft-lbs	2,020 ft-lbs	23.5 sq. ft.
G-2800DXA	6 wire	#18	117 vAC	60–190 sec.	661 lbs	1.88–2.5"	58-181 ft.-lbs.	1,808 ft-lbs	6,870 ft-lbs	34 sq ft.
G-5500	12 wire	#20	117 vAC	58 az./67 el.	440 lbs	2–2.25/1.25–1.63"	44 az./101 el.	289 az/289 el	578 ft-lbs	11 sq. ft.

Didn't Find What You Were Looking For?

Preparing this catalog is a bit like fitting 12 pounds of stuff into a 10 pound bag. Something's bound to get left out. If you didn't find what you were looking for featured in our catalog, you might well find it in our price list.

Items shown in bold red print indicate a manufacturer's coupon and/or rebate are included in the price shown. In the case of a coupon, the price shown is your actual cost. In the case of a rebate, the price shown is your cost, *after* wrangling the rebate away from the manufacturer.

ALFA-SPID
4" PIPE/FLAT PLT ADPTR $39.00
8" PIPE/FLAT PLT ADPTR $49.00
AZ MOUSE OPTION $39.00
BIG-RAK ROTATOR/CONTROLLE $1,429.00
BIG-RAS AZ/EL ROT/CONTROL $2,299.00
EL ROTATOR ONLY $569.00
PIPE TO PIPE CPLR $69.00
RAK ROTATOR/CONTROLLER $979.00
RAS AZ/EL ROT/CONTROLLER $1,579.00

ALPHA DELTA
ATT3G50N 200W SURGE PROT $59.00
ATT3G50N/HP SURGE PROT $59.00
ATT3G50U 200W SURGE PROT $49.00
ATT3G50U/HP 2KW SURGE PRO $49.00
CIN END INSULATOR $1.49
DELTA C INSULATOR KIT $29.95
DELTA2B 2POS COAX SWITCH $59.95
DELTA4B 4 POS COAX SWITCH $89.95
DX-20 DIPOLE ANTENNA $69.00
DX-40 40M DIPOLE $69.00
DX-80 DIPOLE ANTENNA $79.00
DXA 40/80/160M SLOPER $99.00
DXB SLOPER ANTENNA $109.00
DXCC 80-10M DIPOLE $159.00
DXDD 80-40M DIPOLE $129.00
DXEE 40-10M DIPOLE $139.00
DXLB 160/80/40 DIPOLE $159.00
DXLB PLUS 160-10M ANTENNA $189.00
DXSD 80/20M DIPOLE $99.00

ALUMINUM TUBING
.188IN OD ALUM ROD $0.55
.250IN OD ALUM ROD $0.70
.375X.058 ALUM TUBING $1.00
.500X.058 ALUM TUBING $1.10
.625X.058 ALUM TUBING $1.20
.750X.058 ALUM TUBING $1.30
.875X.058 ALUM TUBING $1.40
1.000X.058 ALUM TUBING $1.50
1.125X.058 ALUM TUBING $1.65
1.250X.058 ALUM TUBING $1.85
1.375X.058 ALUM TUBING $2.05
1.500X.058 ALUM TUBING $2.25
1.625X.058 ALUM TUBING $2.55
1.750X.058 ALUM TUBING $2.80
1.875X.058 ALUM TUBING $3.05
2.000X.058 ALUM TUBING $3.30
2.125X.058 ALUM TUBING $3.80
CLAMP TEE ROD .188 DIAM $0.20
EX2.0X.12 ALUM TUBING $5.50
EX2.0X.25 ALUM TUBING $9.00
EX3.0X.375 BAR STOCK $6.00
EX4.0X.375 BAR STOCK $7.50
EX5.0X.375 BAR STOCK $8.50
EX6.0X.375 BAR STOCK $9.75
SB312-3 .188IN EL BUSHING $0.15

ALUMINUM TUBING, cont.
SB375-4 .25IN EL BUSHING $0.35
SS.188 EL KEEPER $0.15
SS.25 EL KEEPER $0.25

AMERITRON
AL1200 1500W AMPLIFIER $3,049.00
AL1500 LINEAR AMPLIFIER $2,899.00
AL572 AMPLIFIER $1,349.00
AL800 HF AMPL $1,769.00
AL800H HF AMPL $2,649.00
AL80B 3/500Z AMPLIFIER $1,299.00
AL811 600W AMPLIFIER $659.00
AL811H 800W AMPL $789.00
AL82 AMPL 2X3-500Z $2,249.00
ALS500M SOLID STATE AMPL $759.00
ALS600 SOLID STATE AMPL $1,119.00
ALS600S W/SW PWR SUPPLY $1,219.00
ARB704 RELAY BOX $59.00
ARB704I2 (F/706) $59.00
ATR30 3KW TUNER $519.00
MOD10MB KIT/ALS600 ..... $29.95
RCS10 8 POSN RMT SW $159.00
RCS4 WIRELESS REMOTE SWIT $139.00
RCS8V REMOTE SWITCH $149.00
SDA100 SCREWDRIVER ANT $359.00
SDA110 ANTENNA $449.00
SDC100 DIG CNTLR $79.00
SDM100 BASE MOUNT $95.00

ARRL
2007 HANDBOOK $44.95
AMATEUR RADIO ON THE MOVE $19.95
ANTENNA BOOK W/SOFTWARE $44.95
ANTENNA COMPENDIUM VOL 1 ..... $10.00
ANTENNA COMPENDIUM VOL 2 ..... $14.00
ANTENNA COMPENDIUM VOL 3 ..... $14.00
ANTENNA COMPENDIUM VOL 5 ..... $20.00
ANTENNA COMPENDIUM VOL 6 ..... $22.95
ANTENNA COMPENDIUM VOL 7 ..... $24.95
APRS:MOVING HAMS $17.95
BASIC RADIO $29.95
BEYOND LINE OF SIGHT $12.00
CD ROM 1915-29 QST $39.95
CD ROM 1930-1939 QST $39.95
CD ROM 1940-49 QST $39.95
CD ROM 1950-59 QST $39.95
CD ROM 1960-64 QST $39.95
CD ROM 1965-69 QST $39.95
CD ROM 1970-74 QST $39.95
CD ROM 1975-79 QST $39.95
CD ROM 1980-84 QST $39.95
CD ROM 1985-89 QST $39.95
CD ROM 1990-94 QST $39.95
CD ROM 1995-99 QST $39.95
CD ROM 1998 EDITION $19.95
CD ROM 1999 EDITION $19.95
CD ROM 2000 EDITION $19.95

ARRL cont.
CD ROM 2001 EDITION $19.95
CD ROM 2002 EDITION $19.95
CODE PRACT CD10-15 DISC $14.00
DIGITAL SIGNAL PROCCESSIN $44.95
DXCC COUNTRIES LIST $5.95
DXCC HANDBOOK $19.95
DXING ON THE EDGE $29.95
EMERGENCY POWER $19.95
EXPERIMENTAL METHODS RF D $49.95
EXTRA CLASS LICENSE MANUA $24.95
FAQ BOOK $14.95
FCC RULE BOOK $12.95
GENERAL CLASS MAN ED6 ..... $24.95
GENERAL CLASS Q&A MANUAL $17.95
GPS AND AMATEUR RADIO $18.95
GRID LOCATOR ATLAS $5.00
GRID MAP $1.50
HAM RADIO FOR DUMMIES $21.99
HAM RADIO LICENSE MANUAL $24.95
HF ANTENNA COLLECTION $34.95
HF ANTENNAS ALL LOCATIONS $34.95
HF DIGITAL HANDBOOK $19.95
HINTS AND KINKS 17ED $17.95
INTERNATIONAL MW HANDBOOK $39.95
INTRODUCTION TO RF DESIGN $39.95
LOG BOOK $7.95
LOW POWER COMMUNICATIONS $19.95
MICROWAVE PROJECTS(RSGB) $29.95
MINILOG $4.95
MORE QRP POWER $19.95
MORE WIRE ANTENNA VOL2 ..... $14.00
NORTH AMERICAN MAP $15.00
ON4UN'S LOWBAND DXING $39.95
OPERATING MANUAL $29.95
PASSPORT TO WORLD $22.95
PRACTICAL WIRE ANTENNAS $18.00
Q&A/EXTRA CLASS $17.95
REPEATER DIRECTORY $10.95
RF AMPLIFIER CLASSICS $19.95
RF EXPOSURE AND YOU $22.95
RFI BOOK $24.95
RSGB RADIO COMM $53.00
SATELLITE ANTHOLOGY ED 5 ..... $15.00
SATELLITE HANDBOOK $24.95
SIMPLE AND FUN ANTENNAS $22.95
TRANSMITTER HUNTING $24.95
TRAVEL PLUS CD ROM $39.95
UHF/MICROWAVE EXP MANUAL $20.00
UNDERSTANDING BASIC EL $20.00
VERTICAL ANT CLASSICS $12.00
VHF/UHF ANTENNA CLASSICS $14.95
VHF/UHF HANDBOOK(RSGB) $35.00
VINTAGE RADIO $19.95
W1FB'S QRP NOTEBOOK $10.00
WEATHER SATELLITE HBK $20.00
WIRE ANTENNA CLASSICS $14.00
WORLD ATLAS $12.95
WORLD AZMUTHAL MAP $15.00
YAGI ANTENNA CLASSICS $17.95
YOUR INTRODUCTION CD ROM $14.95
YOUR MOBILE COMPANION $12.00

ASTRON
RS20A POWER SUPPLY $95.00
RS20M POWER SUPPLY $119.00
RS35A POWER SUPPLY $149.00
RS35M POWER SUPPLY $169.00
RS50M POWER SUPPLY $239.00
RS70M POWER SUPPLY $279.00
SS12 12A POWER SUPPLY $79.00
SS25 25A PWR SUPPLY $109.00
SS25M PSU W/METERS $129.00
SS30 30A POWER SUPPLY $119.00
SS30M PSU W/METERS $139.00
VS35M POWER SUPPLY $179.00
VS50M POWER SUPPLY $249.00

BENCHER
BY1 BLACK BASE PADDLE $115.00

BENCHER cont.
BY2 CHROME BASE PADDLE $139.00
BY3 KEYER PADDLES $319.00
LOW PASS FILTER YA1 ..... $89.00
RJ1 BLACK BASE KEY $99.00
RJ2 CHROME BASE KEY $119.00
SKYHAWK 3X10 ANTENNA $1,199.00

BOSQUE
GP2 2M GND PLANE ANT $39.95

BOOKSTORE
33 SIMPLE WEEKEND PROJ $9.95
ANTENNAS 1968 TO 1972 ..... $19.95
ANTENNAS 1973 TO 1975 ..... $19.95
GETTING STARTED CONTEST $12.95
GETTING STARTED DXING $12.95
GETTING STARTED HAM $12.95
GETTING STARTED PACKET $12.95
GETTING STARTED SATELITES $12.95
GETTING STARTED VHF $12.95
HOMEBREWING TECHNIQUES $19.95
SHORT VERTICAL ANTENNA $9.95
SHORTWAVE PROP HBK $19.95
TEST EQUIPMENT AND REPAIR $19.95
UNDERSTANDING BALUNS $19.95
W6SAI HF ANTENNA HBK $19.95

BUTTERNUT
30MRK 30M KIT F/HF2V $129.00
A17-12 17/12MTR KIT $64.00
A6 6MTR KIT $20.00
BUTTER ITS NOT $5.00
CPK COUNTERPOISE KIT $169.00
GRK GRD RADIAL KIT $95.00
HF2V 80/40M VERTICAL $279.00
HF5B MINIBEAM $449.00
HF6V VERTICAL ANTENNA $379.00
HF9V VERTICAL ANTENNA $439.00
KONNEKTOR KOTE $12.00
MPS MOUNTING POST SLEEVE $14.00
RMKII ROOF KIT W/RAD $189.00
STRII RADIAL KIT $145.00
TBR160S 160 MTR KIT $159.00
TLK TOP LOADING KIT $49.00

CAL-AV LABS
EB1 BALUN $49.00
EB2 BALUN $49.00
TL3 BALUN $79.00

COMET
3D4M LOW LOSS COAX ASMLY $26.95
3D5M 5M CABLE $28.95
AD35M UHF/3/8NF ADAPTER $19.95
AS20 HT/SMA ANTENNA $26.95
AS30 HT/SMA ANTENNA $29.95
B10 144/440 MOBILE ANT $42.95
B10NMO 144/440 MOBILE ANT $42.95
CF360B DUPLEXER $69.95
CF4160I DUPLEXER W/O LEAD $48.95
CF4160J DUPLEXER W/CONN $53.95
CF4160K 144/440 DUPLEXER $48.95
CF416A DUPLEXER $54.95
CF416C DUPLEXER W/ LEADS $54.95
CF416W DUPLEXER W/ LEADS $69.95
CF530A DULEXER W/LEADS $74.95
CF530C DUPLEXER F/FT8900 ..... $69.95
CF706A DUPLEXER (706/100) $74.95
CFX324A TRIPLXR 2/220/70 ..... $88.95
CFX324B TRIPLXR 2/220/70C $85.95
CFX4310C 144/440/1.2 TRIP $79.95
CFX514 TRIPLXR W/ LEADS $79.95
CFX514J TRIPLXR W/O LEADS $74.95
CH32 144/440 HT ANT $29.95
CHA250B VERT ANTENNA $449.00
CK3M3 LOW LOSS COAX ASSY $35.95
CK3M5 LOW LOSS COAX ASSEM $42.95
CLP5130-1N 50-1300MHZ BEA $389.00
CLP5130-2N 105-1300MHZ BE $289.00

COMET cont.

CM5M HD MAG MT $24.95
CP5M MT W/CABLE $69.95
DS150S 25-1300MHZ DISCONE $89.00
GP15 52/146/446MHZ ANT $159.00
GP21 1.2 GHZ VERTICAL $149.00
GP3 144/440 BASE ANTENNA $99.00
GP6 2M/70CM BASE VERTICAL $159.00
GP9 2M/70CM BASE ANT $199.00
GP98 2/70/1.2 VERTICAL $169.00
GP9N 2M/70CM BASE ANT $199.00
GRB5M TRUNK LIP MT $68.95
HS05 SMA/UHF CABLE $14.95
HVU8 BASE VERT ANT $299.00
L14 20M COIL/UHV6 ..... $29.95
L18 17M COIL/UHV6 ..... $29.95
RS720 ADJ LIP MT $29.95
RS730 LIP MOUNT $32.95
SB14 6M/2M/70CM ANT $65.95
SBB1 FLEXIBLE 2M/70CM $42.95
SBB2 2M/70CM MOBILE $42.95
SBB224 144/220/440 MOBILE $75.95
SBB224NMO 2M/220/440 MOBI $75.95
SBB25 2M ANTENNA $48.95
SBB2NMO 2M/70CM MOBILE $42.95
SBB5 2M/70CM MOBILE $58.95
SBB5NMO 2M/70CM ANTENNA $58.95
SBB7 2M/70CM MOBILE $79.95
SBB7NMO 2M/70CM MOBILE $79.95
SMA24 2M/70CM/SMA $24.95
SMA3 146/446/900 GAIN SMA $38.95
SMA501 146/446/900 MINI S $29.95
SMA503 2M/70CM HT ANT $29.95
SMA703 T81A DUCK $31.95
UHV4 4 BAND ANTENNA $119.95
UHV6 40/15/10/6/2/70CM AN $169.95
L3.5 80M COIL/UHV6 ..... $34.95

CUSHCRAFT

124WB 4EL 2M BEAM $95.00
13B2 13EL 2M BEAM $199.00
26B2 26EL 2M BEAM $499.00
5VB VINYL BOOTS $17.00
A103 30M KIT F/A3WS $185.00
A148-10S 10EL BEAM $109.00
A148-20T 2M SSB/FM BEAM $169.00
A148-3S 3EL 2M BEAM $65.00
A270-10S 2M/70CM BEAM $119.00
A270-6S 2M/70CM YAGI $89.00
A3S 3EL TRIBAND BEAM $549.00
A3WS 3EL 12/17M BEAM $449.00
A449-11S 11EL 440MHZ BEAM $89.00
A449-6S 6EL 440MHZ BEAM $69.00
A4S TRIBAND ANT $689.00
A50-3S 3EL 6M BEAM $125.00
A50-5S 5EL 6M BEAM $199.00
A50-6S 6EL 6M BEAM $339.00
A627013S VHF/UHF BEAM $249.00
A743 30/40 MTR KIT FOR A3 ..... $185.00
A744 30/40 MTR KIT FOR A4 ..... $185.00
AR10 10MTR RINGO $89.00
AR2 2M RINGO $59.00
AR270 DUAL BAND RINGO $109.00
AR270B 2M/70CM VERT $119.00
AR6 6M RINGO $89.00
ARX220B 220MHZ RINGO $79.00
ARX2B 2M RINGO RANGER II $79.00
ARX450B 450MHZ RINGO $79.00
D40 40MTR DIPOLE $369.00
LAC4 200W ARRESTER $49.00
LAC4H 2KW ARRESTER $59.00
MA5B BEAM $439.00
MA5V VERTICAL ANTENNA $279.00
MA6V 20-6M VERTICAL $319.00
R6000 ANTENNA $369.00
R8 40-6M VERTICAL $549.00
R8GK GUY KIT $49.00
X7 7-EL TRIBAND BEAM $839.00
X740 40M KIT $339.00
XM240 2-EL 40M BEAM $889.00

DAIWA cont.

CN101L 1.8-150MHZ SWR MTR $99.00
CN103L VHF/UHF METER $99.00
CN103N VHF/UHF MTR N CON $119.00
CN801HP SWR/PWR METER $149.00
CS201A 2POS SWITCH $26.00

DIAMOND

31005 WEATHER CAP $3.95
C101 UHF BASE 6.5' CABLE $34.95
C101NMO BASE 6.5' CABLE $34.95
C110 10' EXT CABLE $16.95
C213 UHF MOUNT $41.95
C213NMO BASE $41.95
CP22E 2M ANTENNA $54.95
CR224A 144/222MHZ MOBILE $119.95
CR320A 144/222/440MHZ ANT $89.95
CR627B 6M/2M/70CM MOB ANT $109.95
CR627BNMO 6/2/70 ANTENNA $109.95
D130J DISCONE ANTENNA $99.95
DPGH62 6M BASE ANT $147.95
DPK4NM-N MAGNET MT $45.95
F22A 2M BASE ANTENNA $99.95
F23A 2M BASE ANTENNA $129.95
F718A 70CM BASE ANTENNA $229.95
HV7A 4 BAND MOBILE ANT $119.95
HVC14 20M COIL/HV7A $37.95
HVC18 17M COIL/HV7A $37.95
HVC21 15M COIL/HV7A $37.95
HVC7 40M COIL $44.95
K400-3/8C TRUNK MT $69.95
K400C UHF/HATCHBACK MT $69.95
K400CNMO DELUXE MT W/NMO $69.95
K540KM LUGGAGE MT/CABLE $59.95
K550KM LUGGAGE MT/CABLE $69.95
K600M TRUNK MT $57.95
K601M TRUNK MT $69.95
K702M MAG MOUNT $49.95
K9000LRM LUG MT $109.95
K9000TM TRUNK MT $109.95
MX2000 52/146/446 MHZ TRI $84.95
MX3000 TRIPLEXER $79.95
MX324 TRIPLEXER $99.95
MX37 70CM/23CM DUPLEXER $59.00
MX62M DUPLEXER (706/100) $74.95
MX72D DUPLEXER $43.95
MX72H DUPLEXER W/CABLE $46.95
MX72N DUPLEXER $49.95
NMO/UHF ADAPTER $18.00
NR124 23CM MOBILE ANT $64.95
NR2000NA 2/70/23CM ANTENN $89.95
NR72BNMO 2M/70CM BLACK AN $41.95
NR73BNMO 2M/70CM BLACK AN $57.95
NR770HA 2M/70CM MOBILE AN $56.95
NR770HB 2M/70CM ANTENNA $59.95
NR770HNMO 2M/70CM MOBILE $59.95
NR770HNMOBLACK 2M/70CM AN $59.95
RH519 ..... $27.95
RH707 2M/70CM HT ANT $33.95
RH77CA 2M/70CM DUCK $24.95
SG2000HD 2M ANTENNA $89.95
SG7000A 2M/70CM ANTENNA $69.95
SG7500A 2M/70CM MOBILE AN $79.95
SG7500NMO 2M/70CM MOB ANT $79.95
SG7900A 2M/70CM MOBILE AN $124.95
SG7900NMO 2M/70CM ANTENNA $124.95
SGM911 6/2/70 ANTENNA $69.95
SPM35 MAG MOUNT (45" ANT) $39.95
SPMNMO MAG MOUNT $44.95
SRH320A TRIBAND HT ANT $49.00
SRH519 2M/70CM RD SMA $32.95
SRH77CA ANTENNA $24.95
SRH805 2M/70CM/23CM SMA R $27.95
SRH815 2M/70CM/23CM SMA R $36.95
SX100 1.6-60MHZ METER $144.95
SX1000 HF/VHF/UHF METER $249.95
SX200 1.8-200MHZ METER $99.95
SX20C PWR/SWR METER $89.95
SX400 140-525MHZ METER $119.95
SX40C 144-470MhZ SWR MTR $79.95

DIAMOND cont.

SX600 HF/VHF/UHF METER $189.95
V2000A 6/2/70CM VERTICAL $172.95
X200A 2M/70CM BASE ANTENN $149.95
X500HNA 2M/70CM BASE ANT $259.95
X50A 2M/70CM BASE ANT $109.95
X50NA 2M/70CM VERT $109.95
X510MA 2M/70CM BASE ANT $195.95
X510NA 2M/70CM BASE ANT $195.95
X6000A 2/70/1.2 VERTICAL $209.95
X700HNA 2M/70CM BASE ANT $399.95

FORCE 12

C3 20M-10M 7EL BEAM $809.00
C31XR TRIBAND BEAM $1,699.00
C3E 20M-10M 8EL BEAM $839.00
C3S 20M-10M 6EL BEAM $719.00
C3SS 20M-10M SHORT 6EL BE $789.00
C3XL BEAM ANTENNA $1,449.00
C4 40M+20M-10M 8EL BEAM $1,099.00
C4C CONVERSION KIT $259.00
C4E 40M+20M-10M 9EL BEAM $1,119.00
C4S 40M+20M-10M 7EL BEAM $919.00
C4SS 40M+20M-10M SHORT 7E $939.00
C4SXL 4 BAND HF YAGI $1,289.00
C4XL BEAM ANTENNA $1,499.00
DELTA 140 ..... $279.00
EF130 30M DIPOLE $219.00
RIVETER $32.95
SIGMA 40 VERT ANTENNA $559.00
SIGMA 40XK VERTICAL $409.00
XR5 20M-10M 10EL BEAM $1,199.00

GAP

350FT GUY KIT (VOYAGER) $39.50
CHALLENGER DX $319.00
COUNTERPOISE/CHALLENGER $32.00
COUNTERPOISE/VOYAGER $64.00
EAGLE DX $349.00
GUY KIT TITAN/EAGLE(200') $25.00
GUY KIT/CHALLENGER (100') $15.00
QUICK TILT GRD MT $75.00
SUPER C ANTENNA $449.00
TITAN DX $379.00
VOYAGER DX $429.00

GEOCHRON

ORIGINAL KILBURG MODEL $1399
STANDARD MODEL $1499
EXECUTIVE MODEL $1899
BOARDROOM MODEL $2199

GLEN MARTIN

H2 HD ALUMINUM HAZER 12SF $399.00
H3 ALUMINUM HAZER 8SF $319.00
H4 HD STEEL HAZER 16SF $399.00
HR2040 ROLLER KIT/H2/3/4 ..... $79.00
MC10 MAST CLAMP $35.00
RT1832 17.5FT ROOF TOWER $599.00
RT2632 26FT ROOF TOWER $979.00
RT424 4.5FT ROOF TOWER $199.00
RT832 8FT ROOF TOWER $289.00
RT936 9FT ROOF TOWER $459.00

HUSTLER

1C-56 102" SS WHIP $29.95
4BTV 40-10M VERTICAL $139.00
5BTV 80-10M VERTICAL $179.00
6BTV 80-10M VERTICAL $189.00
BM1 BUMPER MOUNT $23.00
C32 BALL MOUNT $15.00
CGT144 2M COLINEAR W/MT $49.00
G6144B 2MTR COLINEAR VERT $119.00
G6270R 2M/70CM VERT $189.00
G6440 BASE ANTENNA $159.00
G7144 2MTR COLINEAR VERT $179.00
MO1 FENDER MOUNT MAST $33.00
MO2 BUMPER MOUNT MAST $33.00
MO3 MAST $25.00
MO4 22" MAST $21.00

HUSTLER cont.

MX2 2M MAG MT ANTENNA $34.00
QD2 QUICK DISCONNECT $21.00
RM10 400W 10M RES $16.00
RM10S 2KW 10M RES $25.00
RM12 12M RESONATOR $16.00
RM15 400W 15M RES $16.00
RM15S 2KW 15M RES $25.00
RM17 17M RESONATOR $23.00
RM20 400W 20M RES $23.00
RM20S 2KW 20M RES $30.00
RM30 30M RESONATOR $26.00
RM40 400W 40M RES $25.00
RM40S 2KW 40M RES $38.00
RM75 400W 75M RES $28.00
RM75S 2KW 75M RES $52.00
RM80 80M RESONATOR $28.00
RM80S 2KW 80M RES $52.00
RSS2 RESONATOR SPRING $13.00
RX2 2M MAG MT ANTENNA $26.00
SF2 5/8 WAVE 2M ANTENNA $16.00
SSM2 SS BALL MOUNT $29.00
TLM TRUNK LIP MT $24.00
VP1 ADAPTER $7.00

HYGAIN

ATM65 TEL ALUM MAST $179.00
AV18HT 5 BAND VERT ANT $849.00
AV18VS 80-10M VERT ANT $89.00
AV620 VERTICAL ANTENNA $269.00
AV640 VERTICAL ANTENNA $349.00
BN4000B CURRENT BALUN $99.00
BN86 BALUN $75.00
CD45II ROTOR $349.00
DB1015 10/15M BEAM $399.00
DB1217 12/17M BEAM $399.00
DB218SAT OSCAR ANTENNA $499.00
DCU1 CONTROLLER ONLY $569.00
DIS71 40M ROT DIPOLE $269.00
DIS72 2EL 40M BEAM $569.00
DIS73K DIRECTOR KIT $359.00
DP2BDQ 40/80M TRAP DIPOLE $129.00
DX77A 40-10M VERTICAL $389.00
DX88 8 BAND VERT $319.00
EXP14 20/15/10M BEAM $519.00
GPG2B 2M GROUND PLANE $49.00
GRK88 GND RADIAL KIT $95.00
HAM 4 ROTOR $499.00
HAM 5 DIGITAL ROTOR $819.00
HDR300A HD ROTOR $1,269.00
LC160Q 160M LOAD COIL/18H $99.00
LJ103BA 3-EL 10M BEAM $145.00
LJ105CA 5-EL 10M BEAM $259.00
LJ153BA 3-EL 15M BEAM $189.00
LJ155CA 5-EL 15M BEAM $379.00
LJ203BA 3-EL 20M BEAM $289.00
LJ204BA 4-EL 20M BEAM $479.00
LJ205CA 5-EL 20M BEAM $679.00
LP1009A 13-30MHZ LPA $1,229.00
LP1010A ANTENNA $1,549.00
MK160A 160M KIT/18HT $109.00
MK17 17M KIT/18HT $79.00
MSHD HD MAST SPT 5146710 ..... $89.00
QK710 30/40M KIT/EXP14 ..... $159.00
RRK88 ROOF RADIAL KIT $89.00
T2X TAILTWISTER ROTOR $569.00
T2XD ROTOR W/DCU1 ..... $899.00
TH11DX 5 BAND HF BEAM $995.00
TH2MK3 2EL 10/15/20M BEAM $319.00
TH3JRS 3EL TRIBANDER $319.00
TH3MK4 3EL 20/15/10M BEAM $399.00
TH5MK2 5EL TRIBANDER $659.00
TH7DX 7EL TRIBANDER $749.00
UB7030SAT 70CM SAT BEAM $199.00
UB7031DX 31EL 70CM BEAM $199.00
V2R 2MTR VERTICAL $99.00
V42R 144/440MHZ BASE ANT $159.00
V4R 440MHZ VERTICAL $99.00
VB214FM 14EL 2M BEAM $85.00
VB215DX 15EL 2M BEAM $219.00

HYGAIN cont.

VB216SAT 2M SAT BEAM $209.00
VB23FM 3EL 2M BEAM $45.00
VB25FM 5EL 2M BEAM $55.00
VB28FM 8EL 2M BEAM $75.00
VB64DX 4EL 6M BEAM $139.00
VB66DX 6EL 6M BEAM $249.00

ICOM

208H 2M/70CM XCVR $254.95
2200H 2M FM XCVR $139.95
2820H 2M/70CM XCVR $649.95
7000 MULTIBAND XCVR $1,4299.95
703 PLUS HF/6M XCVR $679.99
706MKIIG HF/V/U/XCVR $900.00
718 XCVR W/UT106 ..... $549.00
746PRO HF XCVR $1,549.00
756PROIII HF XCVR $2,699.99
7800 HF XCVR $10,600.00
910H XCVR $1,329.00
AD28 CHG ADPTR/W/GX $14.00
AD56 CHG ADPTR/T7H $16.00
AD81 CHG ADPTR/T2H $14.00
AD87 ADPTR/T81 ..... $8.00
AD94 ADPTR/V8/BC119N01 ..... $10.00
AG2400 2400MHZ RCV CONVER $489.00
AG25 144MHZ PREAMP $159.00
AG35 430MHZ PREAMP $169.00
AH2B ANTENNA/BASE $279.00
AH4 ANTENNA TUNER $249.00
AH7000 ANTENNA $149.00
AT180 TUNER/706 ..... $359.00
BC110A WALL CHGR/32/7H $25.00
BC119N-01 CHGR/T2H $49.00
BC119N-11 CHGR/T7/W32 ..... $79.00
BC135 DESK CHGR/R3 ..... $65.00
BC139 QUICK CHGR/T90A $89.00
BC144N-51 DESK CHGR/V8 ..... $79.00
BC164 RAPID CHGR/P7A $39.00
BP132 12V .6A BAT/W21 ..... $79.00
BP132A 12V .6A BAT/GX/V $79.00
BP170 BAT CASE/T7 ..... $29.00
BP173 9.6V .6A NICAD/W32/ $109.00
BP194 BATTERY CASE/T2H $18.00
BP196 1.05A BAT/T2H $39.00
BP206 BAT/R3 ..... $49.00
BP208N BAT CASE/V8 ..... $16.00
BP209N 7.2V/1.1A/V8 ..... $39.00
BP210N 7.2V/1.65A/V8 ..... $49.00
BP216 BAT HOLDER/T90A $29.00
BP217 BAT F/T90A $75.00
BP222 BAT/V8 ..... $35.00
BP243 1.8A BAT/P7A $49.00
CP12L CIG LTR CORD $29.00
CP18A CIG LTR ADPT/R3 ..... $25.00
CP19R CIG LTR CBL/T90A $35.00
CP21LR CIG LTR CBL/P7A $49.00
CR282 TCXO/706 ..... $119.00
CR293 TCXO/910H $269.00
CR338 TCXO/746/718 ..... $69.00
CS208 WINDOWS PROG S/W $29.00
CS2100 DOS PROG S/W $13.00
CS2200 WINDOWS PROG S/W $69.00
CS2720 WINDOWS PROG S/W $35.00
CS2800 DOS PROG S/W $13.00
CS2820 PGM SW/2820H $32.00
CSD800 WINDOWS PROG S/W $39.00
CSP7 WINDOWS PROG S/W $33.00
CSR5 WINDOWS PROG S/W $35.00
CST90 WINDOWS PROG S/W $35.00
CSV8 WINDOWS PROG S/W $32.00
CSV8000 WINDOWS PROG S/W $29.00
CSW207/2710 WIN PROG S/W $30.00
CSWHH4 T2/T7/T8/W32 S/W $45.00
CT17 LEVEL CONV $129.00
FL100 500HZ FILTER $99.00
FL101 250HZ FILTER $99.00
FL103 WIDE SSB FLTR/706 ..... $99.00
FL132 CW FLTR $99.00
FL133 CW FLTR/910 SUB $99.00

ICOM cont.

FL222 1.8KHZ FILTER $185.00
FL223 1.9KHZ FILTER/706 ..... $79.00
FL232 350HZ FILTER/706 ..... $99.00
FL257 WIDE SSB FLTR/703 ..... $165.00
FL52A 500HZ FLTR/718 ..... $169.00
FL53A 250HZ FLT/718 ..... $169.00
HM128 EARPHONE/MIC $22.00
HM128L EARPH/MIC/V8 ..... $22.00
HM131 SPKR/MIC T90A $35.00
HM133 MIC/2720H $79.00
HM154T DTMF MIC $59.00
HM158L SPKR MIC/V8 ..... $39.00
HM36 HAND MIC $69.00
HM46 SPKR/MIC W32 ..... $49.00
HM46L SPKR MIC $49.00
HM75A SPKR MIC $79.00
HS51 HEADSET/V8 ..... $79.00
HS85 HEADSET $79.00
HS94 HEADSET $22.00
IC91A VHF/UHF HT $329.95
IC91AD DSTAR HT $449.95
ID-RP2L06 10GHZ UNIT A $4,999.95
ID-RP2L07 10GHZ UNIT B $4,999.95
ID1 23CM DIG XCVR $979.99
ID800 2/70 DIG XCVR $559.00
LC126/T22A/173 ..... $30.00
LC128 VINYL CASE/W32 ..... $35.00
LC137 CARRY CASE/T7A $35.00
LC145 CASE/T2H $30.00
LC151 VINYL CASE/R3 ..... $24.00
LC152A VINYL CASE/T90A $24.00
LC156 BACK PACK CASE/703 ..... $79.00
LC161 CARRY CASE/P7A $33.00
LC163 VINYL CASE/AD91 ..... $33.00
MB105 FRT PAN BKT/7000 ..... $20.00
MB106 CARRY HANDLE/7000 ..... $20.00
MB23 HANDLE/910/R8500 ..... $15.00
MB5 MTG BKT/718/R75 ..... $45.00
MB58 FNT PNL BKT/208/800 ..... $35.00
MB62 MAIN BKT/706/7000 ..... $20.00
MB63 FNT PNL BKT/703/706 ..... $14.00
MB65 ADJ MOUNTING BASE $35.00
MB72 HANDLE/703/706 ..... $14.00
MB74 SPRING CLIP/V8 ..... $12.00
MB85 FNT PNL BKT/2720 ..... $24.00
OPC025D PWR CBL/MOST HF $25.00
OPC1132 3M PWR CBL/208H $25.00
OPC1384 DATA CABLE/ID800H $29.95
OPC1443 3M RMT CBL/7000 ..... $55.00
OPC1444 7M RMT CBL/7000 ..... $69.00
OPC1457 PWR CORD/7000 ..... $28.00
OPC1529R DATA CABLE/2820H $23.00
OPC346 3M PWR CBL/VHF $26.00
OPC347 7M PWR CBL/VHF $35.00
OPC440 5M MIC EXT CBL $69.00
OPC441 SPKR EXT CBL $29.00
OPC474 CLONING CABLE $18.00
OPC478 SERIAL PGM CBL $39.00
OPC478UC USB PGM CABLE $54.00
OPC581 3.5M REM CBL/706 ..... $45.00
OPC587 5M REM CBL/706 ..... $69.00
OPC589 MIC ADPT CBL/706 ..... $29.00
OPC598 7M ACCY CBL/706 ..... $55.00
OPC599 13 PIN TO 7+8 CBL $45.00
OPC600R 3.5M RMT CBL/208 ..... $49.00
OPC601R 7M RMT CBL/208 ..... $59.00
OPC742 13 PIN CABLE $45.00
P7A 2M/70CM HT $229.95
PCR1500 RCVR $479.95
PCR2500 RECEIVER $704.95
PS125 ###SPCL### $329.00
PW1 AMPLIFIER $4,629.00
R1500 RCVR $579.95
R20-06 RCVR/SCANNER $504.00
R2500 RECEIVER $879.95
R5-06 RCVR $209.00
R75 RECEIVER $599.00
R9500 RECEIVER $13,500.00
RMK7000 RMT MTG KIT $79.00

ICOM cont.

RMK706 REMOTE MOUNT KIT $69.00
RS91 S/W W/CABLE IC91A/D $45.00
SM20 DESK MIC $189.00
SP10 MOBILE SPKR $59.00
SP20 BASE SPKR $219.00
SP23 BASE SPEAKER $169.00
SP5 SPKR $49.00
T7H SPORT HT $169.99
T90A 6M/2M/70CM HT $259.00
U82 UHF HT W/BP222 ..... $159.00
UT102 VCE SYNTH 706/756 ..... $59.00
UT106 DSP UNIT $129.00
UT108 DTMF DEC/V8000 ..... $29.00
UT118 DIG UNIT/2200/V82 ..... $189.00
UT121 DIG UNIT/IC91A $199.00
UT123 DIG/GPS UNIT/2820H $279.00
UX910 23CM MODULE $499.00
V8 SPORT 2M HT $99.95
V8000 2M XCVR $179.00
V82 VHF HT $119.95
V85 2M HT $199.95
VS1 VOX/PTT UNIT $39.00

IIX

BM1 MOUNT $49.00
BM2 4X5 MOUNT $39.00
BM2 6X10 MOUNT $45.00
BM2S REVOLVING MOUNT $239.00
BX1 STANFOFF ADAPTER $59.00
CA1 COAX STANDOFF $39.00
CL150 1.5" ZINC PL U BOLT $1.99
CL200 2" ZINC PLT U BOLT $2.49
CL250 2.5" ZINC PLT U BOL $2.99
GINPOLE PULLEY/ALL $99.00
GM1 GUY ANCHOR PLATE $39.00
GP-UPS ALUMINUM GIN POLE $399.00
GP21X CLAMP ONLY $269.00
GP21X GINPOLE KIT $309.00
GP31T CLAMP ONLY $329.00
GP31T GINPOLE KIT $399.00
GP51S CLAMP ONLY $249.00
GP51S GINPOLE KIT $319.00
GP81 CLAMP ONLY $229.00
GP81 GIN POLE KIT $279.00
HT1-18 18" ANTENNA MOUNT $139.00
HT1-24 24" ANTENNA MOUNT $149.00
MA2 MAST ADAPTER $69.00
MA3 MAST ADAPTER $59.00
MC1 MAST COUPLER $69.00
MM1001 SINGLE RADIO MT $79.00
MM10010S 10" 2 RADIO MT $169.00
MM10020 20" MAST $39.00
MM10025S 25" MAST $49.00
MM10030S BASE $59.00
MM1007S 7" 2 RADIO MOUNT $159.00
MM10107 7" CROSS BAR $39.00
MM10110 10" CROSSBAR $49.00
MM10120 20" FLOOR BRACE $29.00
MM4013 13" 4 RADIO MOUNT $409.00
MM409 9" 4 RADIO MOUNT $389.00
MS4 MAST STANDOFF $179.00
PO1 PULLEY KIT $19.00
RM16 ROTOR/TOWER MOUNT $319.00
RM2 ROTOR/STRUCT MOUNT $199.00
SM15 15" STRUCT BRACKET $79.00
SM20 20IN STRUCT BRACKET $89.00
SM5 5" STRUCT BRACKET $59.00
SO1 STANDOFF BRACKET $89.00
SO12 STANDOFF BRACKET $249.00
SO13 STANDOFF BRACKET $289.00
SO2 STANDOFF BRACKET $129.00
SO3 STANDOFF BRACKET $249.00
SO3L STANDOFF BRACKET $259.00
SO4 STANDOFF BRACKET $169.00
SO5-26IN STANDOFF BRACKET $119.00
SO5-39IN STANDOFF BRACKET $139.00
SO5-6IN STANDOFF BRACKET $89.00
ST12 MAST STEPS $25.00
TT6 QUAD POD $339.00

IIX cont.

TT9 QUAD POD $419.00

K5GW

80-15M COAXIAL TRAP ANT $129.95

KANTRONICS

KAM XL $419.00
KPC3 PLUS TNC $209.00
KPC9612 PLUS/128K TNC $399.00

KENWOOD

ARCP2000 ..... $79.00
BC17 WALL CHGR/G71/D7 ..... $24.95
BC19 RAPID CHARGER/G71A $65.00
BT11 AA CASE/G71/D7 ..... $17.00
BT13 AA CASE/THF6A $25.00
BT9 4-AA CELL/22 ..... $29.00
DFK3C 3M SEP KIT/V7/G707 ..... $49.00
DFK3D FR PANEL KIT/V71A $45.00
DFK7C 7M SEP KIT/V7/G707 ..... $99.00
DRU3A DIG REC/570/870 ..... $129.00
EMC3 CLIP MIC/THG71A $29.00
HMC3 HEADSET W/PTT/VOX $55.00
HS5 DELUXE HEADPHONE SET $79.00
HS6 SMALL HEADSET $59.00
MB430 MOUNTING BRACKET $55.00
MB480 MTG BKT/480 ..... $54.00
MC43S UP/DOWN MICROPHONE $65.00
MC45 MOD/TT MIC $49.00
MC57DM 8PIN TT MIC $79.00
MC59W TT MIC/271/V71A $49.00
MC60A BASE MICROPHONE $149.00
MJ88 MODULAR TO 8P ADPTR $35.00
PB39 5W BAT/THG71A $59.00
PB42L BATTERY PACK/THF6A $85.00
PG20 7M DC CBL/480 ..... $45.00
PG2N VHF POWER CORD $19.00
PG2W DC CABLE/22/28/79 ..... $19.00
PG2Z DC CABLE/450/850/870 ..... $39.00
PG3J HT LTR ADAPTER $39.00
PG4S PGM CBL/MOBILE $35.00
PG4W PGM CBL/SW/THD7 ..... $55.00
PG4X 7M CBL/TMD700A $69.00
PG4Y 9PIN PGM CBL $35.00
PG4Z EXT CBL/480 ..... $59.00
PG5A PKT CABLE/733/251 ..... $19.00
PG5D PGM CBL/V71A $75.00
PG5F EXT CBL/V71A $79.00
PG5G PROGRAMMING CABLE $39.00
PG5HW PC/ECHOLINK CBL KIT $69.00
PS52 HD PSU/570/870 ..... $279.00
PS53 PSU/570/870 ..... $269.00
RC2000 ..... $339.00
SC45 SOFT CASE/THG71A $15.95
SC47B CASE/THD7 ..... $19.00
SC51 SOFT CASE/THF6A $16.00
SMC32 SP/MIC 22/28/79 ..... $55.00
SMC33 RMT SP/MIC 22/28/79 ..... $65.00
SMC34 SP/MIC 22/28/79 ..... $39.00
SO2 TCXO UNIT $179.00
SO3 TCXO/480 ..... $119.00
SP23 SPKR/570 ..... $89.00
SP31 SPKR/870 ..... $99.00
SP50B DELUXE SPKR $59.00
THD7AG HT $329.00
THF6A 2M/220/70CM HT $319.00
THK2AT 2M HT $135.00
TM271A 2M FM XCVR $159.00
TMD700A 2/70/TNC XCVR $479.00
TMV708A 2M/70CM XCVR $379.00
TMV71A 2M/70CM XCVR $399.00
TS2000 XCVR $1,609.00
TS2000X XCVR $2,039.00
TS480HX HF/6M XCVR $1,099.00
TS480SAT HF/6M XCVR $940.00
TS570SG ###SPCL### $1,049.00
TSB2000 XCVR $1,549.00
VGS1 VOICE UNIT/480 ..... $65.00
VS3 VOICE SYN/570 ..... $45.00
YF107C 500HZ FLTR/480 ..... $129.00

KENWOOD cont.

YF107CN 270HZ FLTR/480 ..... $129.00
YF107SN 1.8KHZ FLTR/480 ..... $129.00
YK88C1 500HZ CW FILTER $129.00
YK88CN1 270HZ FLTR $129.00
YK88SN1 1.8KHZ FLT/950 ..... $129.00

LDG

AT1000 AUTOTUNER $549.00
AT100PRO ANTENNA TUNER $199.00
AT11 REMOTE $39.00
AT200-PC $239.00
AT200PRO TUNER $229.00
AT7000 AUTO TUNER $159.00
AT897 AUTOTUNER $189.00
DM7800 EXT DUAL METER $169.00
DTS4 4 POS ANTENNA SWITCH $79.00
DTS4R REMOTE SW CONTROL $39.00
DTS6 6 POS SWITCH $99.00
DTS6R REMOTE SW CONTROL $49.00
FT METER $49.00
MULTI DC $49.00
RBA1:1 BALUN $30.00
RBA4:1 BALUN $30.00
RCA14 BREAKOUT BOX $59.00
TW1 HF TALKING WATTMETER $139.00
TW2 VHF/UHF TALKING WM $139.00
Z100 AUTO TUNER $139.00
Z11PRO AUTO TUNER $169.00

LAKEVIEW

009HD QUICK DISCONNECT $10.95
015A TRUNK MT ASSY $21.95
075 HVT DUTY BALL/SPRING $26.95
082 3/8X24 FEED THRU MT $4.95
10 MTR HAM STICK/9110 ..... $31.95
12 MTR HAM STICK/9112 ..... $31.95
15 MTR HAM STICK/9115 ..... $31.95
17 MTR HAM STICK/9117 ..... $31.95
20 MTR HAM STICK/9120 ..... $31.95
235 HEAVY DUTY SPRING $19.95
275 MOUNT ASSY $8.95
276 MT ASSY/SO239 ..... $16.95
276+ MOUNT W/COAX $29.95
2M HAMSTICK/9007 ..... $32.95
30 MTR HAM STICK/9130 ..... $31.95
375 TRI MAG MT/3/8" $54.95
376 4 MAG MT 3/8NF $79.95
377 SUPER 4 MAG 3/8NF $99.95
40 MTR HAM STICK/9140 ..... $31.95
6 MTR HAM STICK/9106 ..... $31.95
75 MTR HAM STICK/9175 ..... $33.95
901 DIPOLE MOUNT $24.95
DB5 DUAL BAND ANTENNA $59.95
IM1 INDUCTOMATCH COIL $29.95
LN1 3/8X24 LONG NUT $3.95
S1 3/8X24 STUD $2.50
TM1 PLUS $49.95
TW1 47" WHIP $12.95
WH+ HARNESS $24.95

LARSEN

KG2/70CXPL ANTENNA $134.95
NMO150BCO 2M COIL $25.25
NMO2/70CO COIL F/DUAL BAN $42.95
NMOK 3/4 HOLE MOUNT $19.95
NMOMM.MAGNET MOUNT $36.95
NMOMMR ROUND MAG MT $34.95
NMOQ WHIP $19.95
POK BASE MOUNT W/COAX $29.95
PQ PO TYPE 1/4WAVE ANTENN $22.95
REINSTALL KIT/GLASS MT AN $9.95
TMB34 3/4" TRUNK MT BRKT $6.95
W154 450MHZ COLLINEAR WHI $19.95
W2/70 DUAL BAND ANT WHIP $24.95
W490 5/8 WAVE 2M WHIP $11.95
W490B BLACK 49" WHIP $14.95

M2 ENTERPRISES

10-30LP8 LP ANTENNA $1,499.00

M2 ENTERPRISES cont.

10M4DX 4-EL 10M BEAM $499.00
10M7 ANTENNA $899.00
12M4DX 4-EL 12M BEAM $499.00
15M4DX 4-EL 15M BEAM $589.00
15M6 ANTENNA $899.00
16"X1/2" MAST $14.00
17-30LP7DX BEAM ANT $1,039.00
17M3DX 3-EL 17M BEAM $499.00
17M5DX BEAM $659.00
18"X5/8" MAST $19.00
20M4DX 4-EL BEAM $659.00
20M5 5-EL 2OM BEAM $1,129.00
20M6A ANTENNA $1,529.00
2202PORT POWER DIVIDER $75.00
2204PORT POWER DIVIDER $119.00
222 HO LOOP $55.00
222-10EZ 10EL 222MHZ BEAM $132.00
222-5WL 15EL 222MHZ BEAM $209.00
222-7EZ 7-EL 222MHZ BEAM $119.00
222-7WL 222MHZ BEAM $259.00
222XP30 30-EL 222MHZ BEAM $359.00
23CM 4 PORT POWER DIVIDER $119.00
23CM22EZA 22-EL 23CM BEAM $159.00
23CM2PORT POWER DIVIDER $79.00
23CM35 35-EL 23CM BEAM $209.00
2M HO LOOP $55.00
2M12 12EL 2M BEAM $209.00
2M18XXX 18-EL 2M BEAM $299.00
2M2PORT POWER DIVIDER $79.00
2M4 4-EL 2M BEAM $119.00
2M4PORT POWER DIVIDER $119.00
2M5-440XP 2M/70CM BEAM $219.00
2M5WL 17EL 2M BEAM $249.00
2M7 7EL 2M BEAM $129.00
2M8WLHD BEAM $649.00
2M9SSBFM 9EL 2M BEAM $149.00
2MCP14 14EL 2M BEAM $209.00
2MCP22 22EL 2M BEAM $299.00
2MXP20 20-EL 2M BEAM $259.00
2MXP28 28-EL 2M BEAM $369.00
36"X1/2"MOBILE MAST $31.00
40M1LDX DIPOLE $559.00
40M2L ANTENNA $869.00
40M3L ANTENNA $1,219.00
40M4LDD ANTENNA $1,749.00
420-50-11 11EL REAR MT BE $119.00
432 HO LOOP $55.00
432-13WLA 39EL 70CM BEAM $299.00
432-9WL 70CM ANTENNA $219.00
436CP30 SAT ANTENNA $299.00
436CP42UG 70CM BEAM $349.00
440-18 18EL 440MHZ BEAM $159.00
440-21ATV BEAM ANTENNA $179.00
440-470-5HD 70CM END MT $169.00
50"X1/2" MOBILE MAST $35.00
6"X1/2" MOBILE MAST $12.00
6-10LP5 LP ANTENNA $1,669.00
6M HO LOOP $119.00
6M11JKV 11-EL 6M BEAM $1,029.00
6M2PK 6M PH KIT $139.00
6M2PORT POWER DIVIDER $119.00
6M2WLC 9-EL 6M BEAM $549.00
6M3 3-EL BEAM $159.00
6M5X BEAM $259.00
6M7 7EL 6M BEAM $359.00
6M7JHV 7EL 6M BEAM $319.00
6M9KHW 9-EL 6M BEAM $589.00
7&10-30LP8 ..... $1,649.00
70CM2PORT POWER DIVIDER $79.00
70CM4PORT POWER DIVIDER $119.00
80M1LLA ANTENNA $1,349.00
80M2LLA ANTENNA $3,599.00
80M3LLA ANTENNA $4,699.00
902 2PORT POWER DIVIDER $79.00
902-10EZ ##SPCL## $99.00
902-14WLC 902MHZ BEAM $259.00
902-17 BEAM ANTENNA $129.00
902-9 902MHZ BEAM $105.00
BIG FOOT MAG MOUNT $119.00

M2 ENTERPRISES cont.

EB144/RK2M ANTENNA $219.00
EB432/RK70CM ANTENNA $209.00
FIBERGLASS HD X BOOM KIT $169.00
KT34M2 4-EL BEAM $1,239.00
KT36XA TRIBAND BEAM $1,299.00
MAG KIT HO LOOP $27.00
MAST BRACKET KIT $21.00
OR2800PX ROTOR W/CONTROL $1,329.00
PS2M/PS70CM POLARITY SW $169.00
RC2800PP PROP CONTROLLER $559.00
STACK KIT 2M HO $79.00
STACK KIT 70CM HO $79.00
UHF-50 PHASING KIT $72.00
VHF-50 PHASING KIT $95.00

MFJ

105C 24HR WALL CLOCK $24.95
107B CLOCK $12.95
108B DUAL 24HR CLOCK $21.95
1112 DC POWER STRIP $39.95
1116 DC POWER STRIP $54.95
1118 DC PWR STRIP $79.95
118 JUMBO CLOCK $29.95
125 CLOCK $34.95
1272BYH TNC/MIC SWITCH $49.95
1275 SOUND CARD/RIG INTER $99.95
1275M SND CARD/RIG INTFC $99.95
1312D AC ADAPTER $15.95
1402 2M/70CM ANTENNA $35.95
1412 2M/70CM ANTENNA $49.95
1432 2M/70CM ANTENNA $69.00
1436 6/2/70 ANTENNA $79.00
1538 4 BAND BASE ANTENNA $109.00
16C06 CERAMIC INSULTORS $5.95
1700C ANTENNA SWITCH $89.00
1701 6 POS SWITCH $69.00
1702C 2POS SW W/ARRESTOR $33.95
1704 4POS 2.5KW SWITCH $75.00
1710 3/8WAVE 2M TEL ANT $12.95
1712 HT TEL ANT $16.95
1714 2M 1/2WAVE TEL ANT $24.95
1717 DUAL BAND DUCK $24.95
1719 SHORT 2M DUCK $19.95
1721 2M MAG MT ANT $19.95
1722 2M/70CM MAG MT ANT $24.95
1724B 2M/70CM ANTENNA $24.95
1728B 2M/6M ANTENNA $33.95
1729 2M/70CM MAG MT ANT $39.95
1734 2M/70CM ON GLASS ANT $49.95
1738 2M ON GLASS ANT $39.95
1740 144/220/440 BASE ANT $29.95
1750 2M 5/8W ANTENNA $34.95
1762 3EL 6M BEAM $89.00
1763 3EL 2M BEAM $49.00
1768 2M/70M BEAM ANT $79.00
1778 G5RV ANTENNA $49.00
1778M G5RV JR ANTENNA $39.00
1792 40/80M VERT ANT $169.00
1793 20/40/80M VERT ANT $189.00
1796 6 BAND VERT ANT $209.00
1798 10 BAND VERT ANT $279.00
1925(I2) ATAS/706 CONTROL $69.00
250 2KW DUMMY W/OIL $69.00
259B ANTENNA ANALYZER $259.00
260C 300W DRY LOAD $39.00
264 1.5KW DUMMY LOAD $74.00
269 ANALYZER $339.00
270 SURGE PROTECTOR $29.95
281 SPEAKER $18.95
29C CARRY POUCH/259 ..... $24.95
333BS MAGNET MOUNT $21.95
335BS MAGNET MOUNT $28.95
336S TRIMAG UHF MOUNT $39.95
336T TRIMAG 3/8" MOUNT $39.95
345S TRUNK/HATCH MT $39.95
392B HEADSET $29.95
39C CARRY POUCH/269 ..... $24.95
401D KEYER $59.00
4035MV 35A PWR SUPPLY $139.00

MFJ cont.

407D DELUXE KEYER $69.00
4125 25A POWER SUPLY $109.00
4175 75A PWR SUPPLY $329.00
418 LCD CODE TUTOR $89.00
422D/KEYER/PADDLE $179.00
4245MV 45A PWR SUPPLY $189.00
4312 12A PWR SUPPLY $69.00
434B VOICE KEYER $179.00
461 CODE READER $89.00
5080MYV KPC3 TO YAE 8P $19.95
5208 8PIN DATA CBL $12.95
557 CODE OSC W/KEY $49.95
561 IAMBIC PADDLE $29.95
564 DELUXE CHROME PADDLE $69.95
564B DELUXE BLACK PADDLE $69.95
616 AUDIO ENHANCER $169.00
66 DIP COIL SET $24.95
701 RFI CHOKE KIT $19.95
704 LP FILTER $49.95
711B HP FILTER $29.95
815C SWR/WATTMETER $69.00
816 HF SWR/PWR MTR $39.95
817C 144-440 SWR/WATT MTR $99.00
852 AC NOISE MTR $99.95
860 HF SWR/PWR METER $49.95
862 VHF/UHF METER $59.95
864 HF/VHF METER $89.95
870 1.6-60MHZ WATTMETER $129.95
901B ANTENNA TUNER $89.00
902 150W TINY TUNER $89.00
910 MOBILE MATCHER $24.95
912 W9INN RMT BALUN $59.00
916B DUPLEXER $44.95
918 CURRENT BALUN $29.95
921 144/220MHZ ANT TUNER $79.00
92AA10 10 PACK NICADS $24.95
931 GROUND RESONATOR $99.00
934 ART GRD/TUNER $189.00
941E ANTENNA TUNER $129.00
945E TUNER $119.00
948 TUNER $139.00
949E ANTENNA TUNER $159.00
962D 1.5KW TUNER $269.00
969 300W TUNER $189.00
971 PORTABLE ANT TUNER $109.00
974HB 300W BAL TUNER $189.00
986 3KW TUNER $319.00
989D DELUXE 3KW TUNER $339.00
98B DELUXE ACC PACK/269 ..... $89.00
99 ACC KIT/259 ..... $59.00
991B 150W INTELLITUNER $199.00
993B 300W INTELLITUNER $229.00
9982 2500W TUNER $629.00

MILLER

EX LG SAFETY BELT(43-51") $119.95
LANYARD ONLY $69.95
LAR SAFETY BELT(38-46") $119.95
MED SAFETY BELT(35-43") $119.95
SMALL SAFETY BELT(31-39") $119.95

MIRAGE

A1015G 6M AMPLIFIER $359.00
B1018G 2M AMPLIFIER $359.00
B1030G 2M AMPLIFIER $659.00
B2518G 2M AMP/PREAMP $289.00
B2518R 10/120W 2M RPTR PA $499.00
B2530G 2M AMPLIFIER $659.00
B310G 100W 2M AMPL $199.00
B34G 35W 2M AMPL $99.00
B5018G 2M AMPLIFIER $299.00
B5030G 50/300W 2M AMPL $649.00
BD35 2M/70CM AMP $159.00
C1012G 10/120W 222MHZ AMP $329.00
C1012R 5/90W RPTR AMPL $579.00
C1022G 10/220W 222MHZ AMP $669.00
C106G 10/60W 222MHZ AMPL $239.00
C211G 2/110W 222MHZ AMPL $329.00
C211R .5/80W RPTR AMPL $589.00

MIRAGE cont.

C22G 2/20W 222MHZ AMPL	$149.00
C2512G 25/120W 222MHZ AMP	$309.00
C2512R 15/90W RPT AMPL	$559.00
C2522G 25/220W 222MHZ AMP	$679.00
C5012G 50/120W 222MHZ AMP	$329.00
C5022G 50/220W 222MHZ AMP	$659.00
D100ATVN 2/82W 70CM AMPL	$399.00
D100ATVR 1/40W RPTR AMPL	$619.00
D1010ATVN 10/100W 70CM AM	$389.00
D1010ATV-NR 4/80W RPT AMP	$619.00
D1010N 432MHZ AMPLIFIER	$379.00
D1010NR 4/80W AMPL	$619.00
D15N 1/15W 440MHZ AMPL	$179.00
D26N 2/60W 440MHZ AMPL	$269.00
D3010N 440MHZ AMPLIFIER	$349.00
D3010NR 12/80W RPTR AMPL	$589.00
KP1/10 10M PREAMP	$139.00
KP1/2 2M PREAMP	$139.00
KP1/220 220MHZ PREAMP	$139.00
KP1/440 70CM PREAMP	$139.00
KP1/6 6M PREAMP	$139.00
KP2/10 10M MAST MT PREAMP	$179.00
KP2/220 220MHZ MAST MT PR	$179.00
KP2/2M MAST MT PREAMP	$179.00
KP2/440 MAST MT PREAMP	$179.00
KP2/6 6M MAST MT PREAMP	$179.00
MP1 HF WATTMETER	$209.00
MP2 VHF WATTMETER	$209.00
MP3 UHF WATTMETER	$239.00
MP4 UHF WATTMETER	$249.00
RC1 REMOTE CONTROL	$49.00

PALSTAR

AA30 3-30 ACT ANT MATCHER	$99.00
AT1500CV 1500W TUNER	$469.00
AT1500DT DIFF TUNER	$469.00
AT1KM 1200W DIFF TUNER	$389.00
AT4K 2500W TUNER	$879.00
AT5K 3500W TUNER	$1,179.00
ATAUTO 1500W TUNER	$1,229.00
B4000-1 4KW 1:1 CUR BAL	$89.00
B4000-4 4KW 4:1 BALUN	$89.00
B4000C 4KW 4:1 CUR BAL	$89.00
BT1500A 1500W BAL TUNER	$679.00
DL1500 1500W DL/450MHZ	$99.00
DL2K 2KW LOAD/30MHZ	$199.00
DL5K 5KW 30MHZ LOAD	$399.00
FL30 1500W LP FILTER	$99.00
MW550P MW PRESEL	$269.00
PM2000A 1.8-60MHZ 2KW MTR	$149.00
PM2000AM 1.8-60MHZ MOBILE	$149.00
R30CC AM/SSB RCVR	$649.00
SP30 12W SPEAKER	$59.00
ZM30 1-30MHZ ANALYZER	$379.00

PHILLYSTRAN

1200 END KIT	$3.60
CL37639/1200I(USE 1/4TH)	$0.00
CL37675/2100I (USE 3/8TH)	$0.00
CL37693/4000I(USE 7/16TH)	$0.00
CL37719/6700I(USE 1/2TH)	$0.00
H142 6700 END CAP	$0.25
H164 4000 END CAP	$0.25
H165 2100 END CAP	$0.25
H166 1200 END CAP	$0.25
H204 11200 END CAP	$0.25
HPTG11200 PHILLYSTRAN	$1.89
HPTG1200I GUY CABLE	$0.45
HPTG2100I GUY CABLE	$0.59
HPTG4000I GUY CABLE	$0.89
HPTG6700I GUY CABLE	$1.29
PLP2738 2100 BIG GRIP	$7.00
PLP2739 4000 BIG GRIP	$9.50
PLP2755 6700 BIG GRIP	$13.50
PLP2758 11200 BIG GRIP	$16.00

POLYPHASER

CS3-25 COPPER STRAP	$57.99
CU-SPGO GND PANEL	$88.99

POLYPHASER cont.

IS-50NX-C2 375W VHF/N PRO	$62.99
IS-50UX-C0 2KW HF PROT	$62.99
IS-50UX-C1 375W VHF PROT	$62.99
IS-B50LN-C2 375W VHF/N PR	$65.99
IS-B50LU-C0 2KW HF PROT	$65.99
IS-B50LU-C1 375W VHF PROT	$65.99
IS-RCT ROTATOR PROT	$99.99
IX-1TW TEL PROT	$89.99
PLDO-120US-15A AC EXT PRO	$169.99
PLDO-120US-20A AC EXT PRO	$199.99

RADIO WORKS

G5RV PLUS	$65.00
CAROLINA WINDOM 160	$150.00
CAROLINA WINDOM 80	$115.00
CAROLINA WINDOM 80LP	$110.00
CAROLINA WINDOM 40	$105.00
CAROLINA WINDOM 40LP	$100.00
CAROLINA WINDOM 40 PER PL	$125.00
CAROLINA WINDOM 160 SPCL	$145.00
CAROLINA WINDOM 80 SPCL	$135.00
CAROLINA WINDOM SHORT 80	$125.00
CAROLINA WINDOM SH 80 LP	$120.00
CAROLINA 40 SHORT 40	$120.00
CAROLINA WINDOM SH 40 LP	$115.00
G5RV PLUS	$65.00
SUPER LOOP 80	$91.74
SUPER LOOP 40	$95.00
.25" SNAP ON CORE	$2.50
.25" SLIDE ON CORE	$1.75
.5" SNAP ON CORE	$4.50
.5" SLIDE ON CORE	$2.50
200FT .075" KEVLAR LINE	$18.50
500FT 1/8" KEVLAR LINE	$60.00

ROHN

1/2X12BB BASE BOLT	$15.75
1/4EHS/1000FT GUY WIRE	$299.00
1/4EHS/500FT GUY WIRE	$159.00
20AG TOP SECTION	$159.00
20G MID SECTION	$99.00
25AG2 TOP SECTION	$179.00
25AG3 TOP SECTION	$229.00
25AG4 TOP SECTION	$169.00
25G MIDSECTION	$109.00
25G7 7FT MID SECTION	$259.00
25JBK JOINT BOLT KIT	$3.75
3/16EHS/1000FT GUY WIRE	$239.00
3/16EHS/500FT GUY WIRE	$129.00
3/4X12PP PIER PIN	$12.00
45AG2 TOP SECTION	$359.00
45AG4 TOP SECTION	$379.00
45G MID SECTION	$229.00
45JBK JOINT BOLT KIT	$6.95
5/16EHS/500FT GUY WIRE	$219.00
55G MID SECTION W/BOLTS/N	$289.00
55JBK JOINT BOLT KIT	$7.95
AS25G ROTOR PLATE	$59.00
AS455G ROTOR PLATE	$119.00
BAS25G BEARING ACC SHELF	$299.00
BPC25G CONC BASE PLATE	$69.00
BPC45G CONC BASE PLATE	$129.00
BPC55G CONC BASE PLATE	$189.00
BPH25G HINGED BASE PLATE	$229.00
BPL25G BEARING PLATE	$159.00
BPL45G BEARING PLATE	$229.00
BPL55G BEARING PLATE	$499.00
EB2525G EAVE BRACKET	$85.00
EP25343 3 HOLE DUAL EQL	$36.00
EP25345 5 HOLE DUAL EQL	$49.00
GA25GD GUY ASSEMBLY	$119.00
GA45GD GUY ASSEMBLY	$149.00
GA55GD GUY ASSEMBLY	$239.00
GAC3455 CONCRETE ANCHOR	$129.00
GAR30 ANCHOR ROD	$39.00
GAS604 EARTH ANCHOR	$59.00
HB25AG 15" HOUSE BRACKET	$99.00
HB25BG 24" HOUSE BRACKET	$139.00
HB25CG 36" HOUSE BRACKET	$139.00

ROHN cont.

HBUTVRO HOUSE BKT	$229.00
P2545 POLE ONLY	$309.00
SA253UA UNIV SIDE ARM	$169.00
SB25G SHORT BASE	$69.00
SB25G5 5FT BASE SECT	$99.00
SB45G SHORT BASE	$119.00
SB55G SHORT BASE	$169.00
SBH25G HINGED SHORT BASE	$219.00
TB3 2"THRUST BEARING	$149.00
TB4 3"THRUST BEARING	$169.00
UHF25G ANTENNA BRKT	$39.00
WP25G WORK PLATFORM	$139.00
WP45G WORK PLATFORM	$149.00
WP55G WORK PLATFORM	$239.00

STEEL MASTS

10FT .18 WALL MAST	$179.00
10FT .25 WALL MAST	$239.00
11FT .12 WALL MAST	$129.00
16FT .18 WALL MAST	$279.00
17FT .12 WALL MAST	$199.00
20FT .25 WALL MAST	$469.00
21FT .18 WALL MAST	$369.00
23FT .12 WALL MAST	$269.00
5FT .12 WALL MAST	$59.00
5FT .18 WALL MAST	$89.00
5FT .25 WALL MAST	$129.00

TEXCOM

213-100C COAX W/PL259S	$89.95
213-12C COAX W/PL259S	$32.95
213-1C COAX W/PL259S	$24.95
213-25C COAX W/PL259S	$39.95
213-2C COAX W/PL259S	$25.95
213-3C COAX W/PL259S	$26.95
213-50C COAX W/PL259S	$52.95
213-6C COAX W/PL259S	$28.95
213-75C COAX W/PL259S	$79.95
8X-100C COAX W/PL259S	$59.95
8X-12C COAX W/PL259S	$31.95
8X-18C COAX W/PL259S	$32.95
8X-1C COAX W/PL259S	$26.95
8X-25C COAX W/PL259S	$35.95
8X-2C COAX W/PL259S	$27.95
8X-3C COAX W/PL259S	$28.95
8X-50C COAX W/PL259S	$42.95
8X-6C COAX W/PL259S	$30.95
8X-75C COAX W/PL259S	$54.95
9913NMC CONN 11-01T-6-TGS	$4.95
9913NMS CONN 11-PL259TGN	$4.95
BNC MALE/8X/LMR240	$3.50
BNC MALE/RG58/LMR200	$3.50
N F/F BULKHD 11-23-3DGN	$5.95
N FML CH MT 11-19-TGN	$3.50
N FML/BNC MALE 13-43	$5.95
N FML/FML 11-21-4-TGS	$5.95
N FML/UHF FML 11-39-TGS	$5.95
N MALE/BNC FML 11-32-TGN	$5.95
N MALE/MALE 11-20-TGS	$5.95
N MALE/SMA FML ADPTR	$4.95
N MALE/UHF FML 11-31-TGS	$5.95
N TEE F/F/F 11-26-1-TGS	$5.95
PL259 SIL/TEF 17-06B-TSSN	$2.49
RF6M REMOTE SWITCH	$289.00
SMA/M BNC/F 19-29-TGN	$8.95
SMA/M UHF/F 19-27-TGN	$8.95
SO239 17-08DNNZ	$3.50
TNC MALE/8X/LMR240	$4.95
UG175 ADAPTER 17-09F-1-N	$0.95
UG176 8X ADPT (17-09G-1-N	$0.95
UG21 N MALE 11-01B-7TGN	$4.95
UG23 N FML 11-02B-10-TGN	$4.95
UG255 UHF F/BNC M 13-44-D	$3.95
UHF CRIMP 8X 17-03Z-7-DNN	$2.50
UHF CRMP/213 17-03B-7-DNN	$2.50
UHF CRMP/9913 17-03T-7-DN	$2.95
UHF FML/BULKHEAD 17-12DNN	$5.95
UHF FML/FML 17-11DNN	$2.50
UHF FML/RG213	$4.95

TEXCOM cont.

UHF MALE/MALE 17-10DNN	$4.95
UHF MALE/N FML 17-18-TGS	$5.95
UHF RT ANGLE 17-15-1-DGNZ	$4.95
UHF TEE (17-14-DNN)	$5.95
YAESU ROTOR CRTL CONN W/PINS	$4.95
YAESU ROTOR MOTOR CONN	$19.95

TIMES MICROWAVE SYSTEMS

EZ1200NMC CONNECTOR	$65.00
LMR1200 COAX (54026)	$3.95
LMR200 COAX (54022)	$0.45
LMR240 COAX (54021)	$0.59
LMR240ULTRAFLEX (20603)	$0.79
LMR400 COAX (54001)	$0.69
LMR400DB DIRECT BURY COAX	$0.99
LMR400ULTRAFLEX (54040)	$0.99
LMR500 COAX (54002)	$1.19
LMR500ULTRAFLEX (54043)	$1.59
LMR600 COAX (54003)	$1.39
LMR600DB COAX CABLE	$1.65
LMR600ULTRAFLEX COAX	$2.19
TC1200NMC N MALE CONN	$65.00
TC240NMC N MALE CONN	$8.00
TC400NFC N FML CONN	$12.50
TC400NMC N MALE CONN	$10.00
TC500NFC N FML CONN	$26.00
TC500NMC N MALE CONN	$22.00
TC500UMC UHF MALE CONN	$29.00
TC600716MC MALE CONN	$39.00
TC600NFC N FML(3190-466)	$26.00
TC600NMC N MALE CONN	$20.00
TC600UMC UHF MALE CONN	$29.00

TOWER HARDWARE

1/2"SCREWPIN SHACKLE/GALV	$7.75
1/2TH HD GALV THIMBLE	$2.95
1/2X12EE TURNBUCKLE	$24.00
1/2X12EJ TURNBUCKLE	$26.00
1/2X9EE TURNBUCKLE	$21.00
1/2X9EJ TURNBUCKLE	$23.00
1/4 PREF BIG GRIP BG2144	$6.00
1/4CCM CABLE CLAMPS	$0.85
1/4EHS/100FT GUY WIRE	$49.00
1/4EHS/250FT GUY WIRE	$109.00
1/4TH HD THIMBLE	$0.75
TRYLON GIN POLE CLAMP	$269.00
3/16 PREF BIG GRIP BG2142	$5.00
3/16CCM CABLE CLAMP	$0.65
3/16EHS/100FT	$39.00
3/16EHS/250FT GUY WIRE	$99.00
3/8"SCREWPIN SHACKLE/GALV	$4.90
3/8EE TURNBUCKLE	$15.00
3/8EJ TURNBUCKLE	$16.00
3/8TH HD GALV THIMBLE	$1.45
5/16 PREF BIG GRIP BG2146	$6.95
5/16CCM CABLE CLAMP	$1.10
5/16TH HD THIMBLE	$1.35
5/8X12EE TURNBUCKLE	$30.00
5/8X12EJ TURNBUCKLE	$32.00
500D INSULATOR	$2.95
502 INSULATOR	$5.50
504 INSULATOR	$7.50
7/16TH HD GALV THIMBLE	$2.35
BX GIN POLE CLAMP	$199.00
GC65128 2146 END SLEEVE	$2.10
GC65136 2144 END SLEEVE	$1.95
GC65303 2142 END SLEEVE	$1.65

UNADILLA

W2AU 1:1 1.8-40MHZ BALUN	$24.00
W2AU 4:1 1.8-40MHZ BALUN	$24.00
W2DU HF 1:1 CURRENT BALUN	$26.00
W2AU VHF 20-300MHZ 1:1 BA	$26.00

UNIVERSAL TOWERS

11 STRAIGHT TOWER SECT	$135.00
11 TOP TOWER SECTION	$135.00
12-30 12SFX30FT ALUM TWR	$699.00
12-40 12SFX40FT ALUM TWR	$1,099.00

UNIVERSAL TOWERS cont.

14 STRAIGHT TOWER SECTION $159.00
14 TAPER TOWER SECTION $159.00
14 TOP TOWER SECTION $179.00
15-40 15SFX40FT ALUM TWR $1,229.00
15-50 15SFX50FT ALUM TWR $1,729.00
16-50 16SFX50FT ALUM TWR $1,829.00
18 STRAIGHT TOWER SECTION $269.00
18 TAPER TOWER SECTION $269.00
18 TOP TOWER SECTION $319.00
2"OD 16FT ALUM MAST $119.00
2"OD 8FT ALUM MAST $69.00
2-90 2SFX90FT ALUM TOWER $2,729.00
21-30 21SFX30FT ALUM TWR $829.00
21-40 21SFX40FT ALUM TWR $1,349.00
22 STRAIGHT TOWER SECTION $419.00
22 TAPER TOWER SECTION $419.00
23-30 23SFX30FT ALUM TWR $1,099.00
23-40 23SFX40FT ALUM TWR $1,619.00
26 STRAIGHT TOWER SECTION $589.00
26 TAPER TOWER SECTION $589.00
3-70 3SFX70FT ALUM TOWER $1,739.00
3-80 3SFX80FT ALUM TOWER $2,319.00
30 STRAIGHT TOWER SECTION $649.00
30 TAPER TOWER SECTION $649.00
35-30 35SFX30FT ALUM TWR $1,239.00
4-30 4SFX30FT ALUM TOWER $389.00
4-40 4SFX40FT ALUM TOWER $669.00
4-50 4SFX50FT ALUM TOWER $939.00
4-60 4SFX60FT ALUM TOWER $1,339.00
4-70 4SFX70FT ALUM TOWER $2,089.00
4-80 4SFX80FT ALUM TOWER $2,659.00
5-50 5SFX50FT ALUM TOWER $1,069.00
6-60 6SFX60FT ALUM TOWER $1,639.00
6-70 6SFX70FT ALUM TOWER $2,139.00
7-40 7SFX40FT ALUM TOWER $829.00
7-50 7SFX50FT ALUM TOWER $1,199.00
7-60 7SFX60FT ALUM TOWER $1,719.00
7-70 7SFX70FT ALUM TOWER $2,219.00
9-30 9SFX30FT ALUM TOWER $539.00
9-40 9SFX40FT ALUM TOWER $929.00
9-50 9SFX50FT ALUM TOWER $1,249.00
9-60 9SFX60FT ALUM TOWER $1,839.00
B14 TOWER BASE $79.00
B18 TOWER BASE $79.00
B22 TOWER BASE $135.00
B26 TOWER BASE $165.00
B30 HD TOWER BASE $239.00
BEARING 2 1/6" SC-4B $129.00
HD11-80 11SFX80FT ALM TWR $3,469.00
HD11-90 11SFX90FT ALM TWR ..... $4,099.00"
HD12-70 12SFX70FT ALM TWR $2,839.00
HD12-80 12SFX80FT ALM TWR $3,469.00
HD16-60 16SFX60FT ALM TWR $2,449.00
HD16-80 16SFX80FT ALM TWR $3,699.00
HD17-70 17SFX70FT ALM TWR $3,079.00
HD21-50 21SFX50FT ALUM TW $1,939.00
HD21-60 21SFX60FT ALUM TWR $2,589.00
HD21-70 21SFX70FT ALM TWR $3,219.00
HD35-40 35SFX40FT ALUM TW $1,829.00
HD4-100 4SFX100FT ALM TWR $4,079.00
HD4-90 4SFX90FT ALM TWR $3,069.00
HD8-100 8SFX100FT ALM TWR $4,369.00
HD8-70 8SFX70FT ALM TWR $2,599.00
HD8-80 8SFX80FT ALM TWR $2,939.00
HD8-90 8SFX90FT ALM TWR $3,619.00
HD9-60 9SFX60FT AL TWR $2,049.00
HD9-80 9SFX80FT ALM TWR $3,079.00
R11 ROTOR MOUNT $39.00
R14 ROTOR MOUNT $59.00
R18 ROTOR MOUNT $79.00
RFM14 FLAT ROOF MOUNT $59.00
RFM18 FLAT ROOF MOUNT $89.00
RFM22 FLAT ROOF MOUNT $129.00
RFM26 FLAT ROOF MOUNT $169.00
RFM30 HD FLAT ROOF MT $239.00
TOP PLATE OPTION $30.00

US TOWER

CX2 COAX ARMS $75.00

US TOWER cont.

CX2M COAX ARMS $79.00
CX3 COAX ARMS $99.00
CX3M COAX ARMS $119.00
CX4 COAX ARMS $169.00
CX4M COAX ARMS $199.00
CX5 COAX ARMS $219.00
CX5M COAX ARMS $229.00
CX6 COAX ARMS $279.00
HDP WORK PLATFORM $1,579.00
HDX5106MDPL $23,799.00
HDX538 HD 38FT TOWER $1,919.00
HDX555 HD 55FT TOWER $3,379.00
HDX572MDPL 72FT W/MOT DR $8,769.00
HDX589MDPL 89FT W/MOT DR $11,499.00
HDX689MDPL 89FT TOWER $22,199.00
M10 10FT .12 MAST $99.00
M15 15FT .12 MAST $149.00
M15R 15FT .25 MAST $229.00
M20 20FT .12 MAST $199.00
M20R 20FT REINFORCED MAST $299.00
M5 5FT .12 MAST $59.00
MA40 40FT MAST $1,289.00
MA550 55FT MAST $1,999.00
MA550MDP 55FT MAST W/MOT $3,799.00
MA770 71FT MAST $3,279.00
MA770MDP 77FT MAST W/MOT $5,149.00
MA850 85FT MAST $5,049.00
MA850MDP 85FT MOT DR MAST $5,949.00
MAB40 HINGED BASE $469.00
MAB550 HINGED BASE $579.00
MAB770 HINGED BASE $729.00
MAB850 HINGED BASE $879.00
MAF40 RAISING FIXTURE $309.00
MAF550 RAISING FIXTURE $419.00
MAF770 RAISING FIXTURE $519.00
MAF850 RAISING FIXTURE $649.00
MARB40 ROTOR BASE $749.00
MARB550 ROTOR BASE $869.00
MARB770 ROTOR BASE $999.00
MARB850 ROTOR BASE $1,229.00
MCL100 LIMIT PACKAGE $629.00
MD75 MOTOR DRIVE $1,299.00
MDP750 MOTOR DRIVE $1,999.00
MDPL1000 MOTOR DRIVE $2,729.00
MRF RAISING FIXTURE $379.00
RMC1000 REMOTE CONTROL $1,299.00
TB2US 2 HOLE THRUSTBEARIN $135.00
TMM433HD 33FT TOWER $2,089.00
TMM433SS 33FT TOWER $1,719.00
TMM541SS 41FT TOWER $2,259.00
TRX100HD RAISING FIXTURE $1,049.00
TRX80 RAISING FIXTURE $569.00
TRX80HD RAISING FIXTURE $799.00
TX438 38FT TOWER $1,619.00
TX455 55FT TOWER $2,229.00
TX472 72FT TOWER $3,689.00
TX472MDP 72FT TOWER W/MOT $5,929.00
TX489MDPL 89FT TOWER W/MO $9,599.00

VAN GORDEN

ALL BANDER DIPOLE $49.95
BLACK END INSUL(PAIR) $6.95
CENTER DOG BONE INSUL $1.95
D10 DIPOLE KIT $38.95
D15/12 DIPOLE KIT $39.95
D20/17 DIPOLE KIT $39.95
D40 40/15M DIPOLE KIT $42.95
D80 DIPOLE KIT $44.95
G5RV-MB ANTENNA $69.00
HIQ 1:1 BALUN $19.95
HIQ 4:1 BALUN $19.95
HIQ CENTER INSULATOR $9.95
PD8010 PAR DIPOLE ANT $55.00
PD8040 PAR DIPOLE KIT $51.00
SD40 SHORT 40M DIPOLE $49.95
SD80 80MTR DIPOLE $59.95

VIBROPLEX

BRASS RACER IAMBIC SQUARE $149.00

VIBROPLEX cont.

BRASS RACER/TRIANGULAR $149.00
DOUBLE KEY DELUXE $359.00
DOUBLE KEY STANDARD $329.00
IAMBIC DELUXE PADDLE $189.00
IAMBIC STANDARD PADDLE $149.00
ORIGINAL DELUXE $209.00
ORIGINAL STANDARD $169.00
SQUARE RACER DELUXE $139.00
SQUARE RACER STANDARD $119.00
STRAIGHT KEY DELUXE $189.00
STRAIGHT KEY STANDARD $149.00
VIBROKEYER DELUXE $189.00
VIBROKEYER STANDARD $149.00

WIRE & CABLE

14GA STRANDED COPPER WIRE $0.20
450 OHM LADDER LINE $0.49
8X MINI 8 COAX $0.35
COAX SEAL $2.79
R51 5COND CABLE #20 ..... $0.29
R62 6COND CABLE #18 ..... $0.49
R81 8C CABLE 2-18/6-22 ..... $0.49
R82 8C CABLE 2-16/6-20 ..... $0.69
R83 8C CABLE 2-14/6-18 ..... $0.89
R84 8C CABLE 2-12/6-16 ..... $1.19
RG213/U COAX CABLE $0.69
RG58/U COAX CABLE $0.35

YAESU

ADMS1802 PGM KIT/FT1802 ..... $39.00
ADMS1G PGM KIT/ADPTR/VX7 ..... $39.00
ADMS1J PGM KIT/FT60R $39.00
ADMS2H PGM KIT/FT8900 ..... $39.00
ADMS2I PGM KIT/FT8800 ..... $39.00
ADMS2J PGM KIT/FT2800 ..... $39.00
ADMS2K PGM KIT/FT7800 ..... $39.00
ADMS4A PGM KIT/FT817 ..... $59.00
ADMS4B PGM KIT/857/897 ..... $59.00
ADMSVX170 PGM KIT $39.00
ADMSVX6 PGM KIT $39.00
ATAS120A MOBILE ANTENNA $329.00
ATAS25 PORTABLE ANTENNA $209.00
ATBK100 ANTENNA BASE UNIT $89.00
ATU450 AUTO TUNER $129.00
CD15A RAPID CHGR/VX5/6/7 ..... $29.00
CD24 CHG ADAPTER/FNB78 ..... $119.00
CD26 CHGR CRADLE/VX170 ..... $29.00
CMP460A WAT PRF MIC/VX7 ..... $49.00
CN3 SMA/BNC ADPTR $10.00
CSC83 VINYL CASE/FT817 ..... $25.00
CSC88 SOFT CASE/VX7 ..... $12.00
CSC91 SOFT CASE/VX6 ..... $12.00
CSC92 SOFT CASE/VX3R $15.00
CT-M10 SEP 20FT SEP CBL $29.00
CT39 PKT CABLE/3000/8500 ..... $9.00
CT62 CAT CABLE $29.00
CT91 MIC ADPTR/VX7 ..... $10.00
DMU2000 DATA MGMT UNIT $949.00
DVS2 DIG VOICE REC $219.00
EDC21 VX2 CAR CHARGER $32.00
EDC5B HT CAR CHARGER $25.00
EDC6 HT PWR CABLE $7.00
FBA23 BAT CASE VX5/6/7 ..... $29.00
FBA25A BAT CASE 60/150/17 ..... $19.00
FBA37 BAT CASE/VX3R $19.00
FC30 ANTENNA TUNER/897 ..... $169.00
FC40 AUTOTUNER/857/897 ..... $279.00
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FNB82LI BATTERY/VX2R $39.00
FNB83 1400MAH BAT/60R $59.00
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FT7800R 2M/70CM XCVR $269.00
FT817ND QRP XCVR $559.00
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FT8800R 2M/70CM XCVR $389.00
FT8900R 10/6/2/70 XCVR $429.00
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YF122CN 300HZ FLT/857 ..... $169.00
YF122S SSB FLTR/817 ..... $169.00
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